



CONCORDE | REISEMOBILE

Owners Manual

UK Version





Spring 2005






Owner Details









There are some key details that you will need to know when communicating with either Concorde Reisemobile GmbH or your local Concorde dealer.

Please use the space below to make note.

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Status of the information in this owner's manual: Spring 2005
Subject to change without notice! No liability can be accepted for omissions!

Welcome

Congratulations on your new Concorde

This owner's manual describes the functions of your motorcaravan and tells you how to use its living facilities. The documents handed over to you include other operating instructions for the base vehicle and for the items of equipment fitted into your mobile home. To ensure that you enjoy the comforts of your **Concorde** and use the amenities that it offers safely and to best advantage, please read all instructions carefully and familiarise yourself with all of the functions of the motorcaravan before taking it on the road for the first time.

The description and instructions are divided into seven main sections:

Part 1 Owner Details

Part 2 Welcome to *Concorde*

Part 3 The technical systems in the motorcaravan and initial operation

Part 4 Using the equipment and functions

Part 5 On the road with your *Concorde* - Driving and leisure information

Part 6 Care, maintenance and decommissioning

Part 7 Troubleshooting

Part 8 Warranty & Maintenance Booklet

Pay particular attention to the special warnings and safety information!

If you have any questions, ideas or suggestions concerning your **Concorde**, please contact your local dealer or our after-sales service personnel. We want you to be completely satisfied with your **Concorde** and your opinions are very important to us.

Concorde motorcaravans are being further developed all the time. We therefore hope that you will appreciate that the design, furnishings and technical systems are subject to modification. No liability can therefore be accepted for any deviations from the systems described in this manual.

One final word. Always bear the environment in mind when driving! Drive as economically as possible, never leave litter or rubbish behind, only empty the tanks at the designated places, only park where camping is permitted, avoid taking up more space than necessary and behave in a socially acceptable manner. In other words: respect the needs of your environment and other people. You will then be helping to protect the environment and promoting the concept of travelling independence.

We wish you good luck, enjoyable journeys and safe driving at all times!

After-sales service

The vehicle manufacturer's authorised garages and workshops perform after-sales service work and repairs on the base vehicle. Please refer to the list of service centres. The equipment manufacturers' service stations are at your disposal for any queries related to the heating, boiler and refrigerator. Please refer to the list of service centres.

The **Concorde** service partners listed are at your disposal for after-sales service and maintenance work on the coachwork. Always give details of the vehicle type, year of manufacture and vehicle identification number (given on the registration document) in any inquiries or orders for replacement parts. You will find the relevant data on the coachwork data plate just inside the door.

Note:

Unauthorised modifications to the coachwork, the interior fixtures and fittings or the use of unapproved accessories may render the warranty null and void!

We reserve the right to change the technical details of the actual vehicle compared with the information and illustrations contained in this manual.

This document may not be reprinted, translated or duplicated in whole or in part without the manufacturer's permission in writing.

Registration / General inspection

In Germany, the purchaser of a motorcaravan is required to register it officially before it is taken on the road. The registration certificate and an insurance cover note are needed for registration.

According to § 29 of the German road traffic act (StVZO), the motorcaravan must be presented for a general inspection by the German technical inspectorates TÜV or DEKRA every one or two years, as well as an annual exhaust gas emission test. The due dates are given on the stickers affixed to the number plates.

In the United Kingdom, the importer and your dealer take care of the registration formalities. If you have any queries regarding registration or M.O.T., please do not hesitate to ask your Concorde dealer.

Coachwork data plate

You will find the coachwork data plate just inside the door to the living accommodation. The following data is given on the plate:

- ◆ Model
- ◆ Type
- ◆ Order number (Auftrags Nr.)
- ◆ Coachwork number (Aufbau Nr.)
- ◆ Due date for the next water ingress test

Please make a separate note of this information and have it available for any queries.



Stickers

You will find various warning and information stickers on the vehicle in addition to the coachwork data plate. These must not be removed. If any of these stickers are missing or damaged, please ask for replacements.

Technical Systems

Electrical system

General

Your **Concorde** is equipped with two separate circuits: a 12-volt DC (direct current) system and a 230-volt AC (alternating current) system for connection to an external power supply.

The 12-volt system supplies power to all built-in items of equipment, such as lighting, control electronics, heating pump, water pump etc., with one exception: the absorption refrigerator in 12 V mode. This receives power from the vehicle battery (but only when the engine is running).

When the external connector is hooked up, the 230-volt system supplies power to the following items of equipment:

- The refrigerator
- The 230-volt socket-outlets
- The battery charger
- The electrical heating system.

A GEL-type 'leisure' battery is the energy storage device for the 12-volt vehicle electrical system. This high-grade battery technology is perfectly tailored to the special requirements of a motorcaravan, including long slow discharge. It also requires no maintenance at all and has an extremely low level of spontaneous discharge. There is therefore no need to remove the battery when the vehicle is temporarily removed from service. It is sufficient to disconnect the positive terminal once the battery has been fully charged. The gel-type battery has a long service life. If it needs replacing in spite of this, please use another battery of the same type, but never fit a vehicle battery. The gel battery and the automatic charger have been matched to one another to ensure optimum operation. When the engine is running, the leisure battery is recharged via the vehicle's generator. This is indicated by the "batteries connected in parallel" symbol (No. 29) on the control panel.

When the vehicle is at a standstill (without being connected to an external power supply), the battery has sufficient capacity to supply the items of on-board equipment for several days, if used sparingly. Under such conditions, check the voltage of the leisure battery on the control panel at regular intervals. You should never let the voltage of the leisure battery drop below 12 volts. If the battery voltage drops too low (11 volts) the control panel issues an audible warning tone and the battery symbol (No. 23) starts flashing. If you continue to use electricity without recharging the battery, the electronic system deactivates all items of equipment in order to protect the leisure battery. You should therefore recharge the battery using the built-in automatic charger if the vehicle is to be at a standstill for a longer period or if consumption is higher. All that you need to do is to connect the vehicle up to an external power supply (refer to the description below). The automatic system takes care of everything else. You will find a description of the automatic charger on Page 11. The vehicle and living area batteries are also connected and disconnected automatically. If a solar-electric system is fitted in your Concorde, the battery is automatically recharged via the solar panels (as long as there is sufficient sunlight).

The equipment in the living area does not draw power from the vehicle battery and therefore cannot run it down. This means that, even if the leisure battery is flat, the vehicle battery is still capable of starting the engine, which then recharges the leisure battery. However, preference should be given to charging the battery from the external power source as the automatic charger is gentler on the battery than the generator. 230 V alternating current can only be drawn from the 230 V socket-outlets in the living area and the refrigerator can only run in 230 V AC mode when the external connector is hooked up (exception: current inverter mode).

The complete electrical distribution system is accommodated under the rear bench seat (the left-hand seat in R models). This is where the 12-volt control and distribution module is located, as well as the 12-volt relay module and the 230-volt fuse module.

Initial operation

Press the "On" button on the control panel above the entrance door to activate the independent 12-volt system (refer to on page 18).

Hooking up to the external power supply

Power is supplied to the 230-volt system via the CEE-standard external socket under the side window on the left-hand side of the vehicle. For safety reasons, only the cable with CEE connector supplied with Concorde camper may be used for this connection.

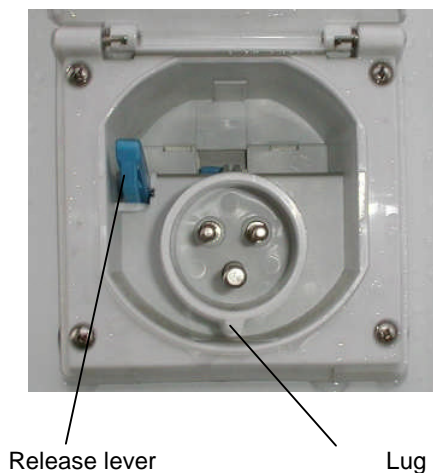
Grasp the grooved section at the bottom of the socket cover, pull to disengage it and tilt it upwards. Lift the cover of the blue CEE connector and insert the three-pin CEE connector into the socket until you hear it latch into place. The construction of the connector ensures that it can only be plugged in the right way round.

Plug the earthed connector into the external power source, using an extension lead if necessary. To disconnect the vehicle from the external power supply, first disconnect the earthed connector from the external power source. To unplug the connector, press the blue release lever next to it downwards and unplug the connector, then press the lift-up cover down to close.

After hooking up to the external power supply

- This is indicated on the control panel by the word "Netz" (German word for 'mains') on the alphanumeric display and the connector symbol (No. 28).
- You can draw 230 V alternating current from the 230-volt socket-outlets in the living area.
- The refrigerator can run on 230 V AC.
- The leisure battery for the living area and the vehicle battery are recharged by the automatic charger.

CEE input socket



Note: Make use of every opportunity to recharge the on-board battery!



Warnings

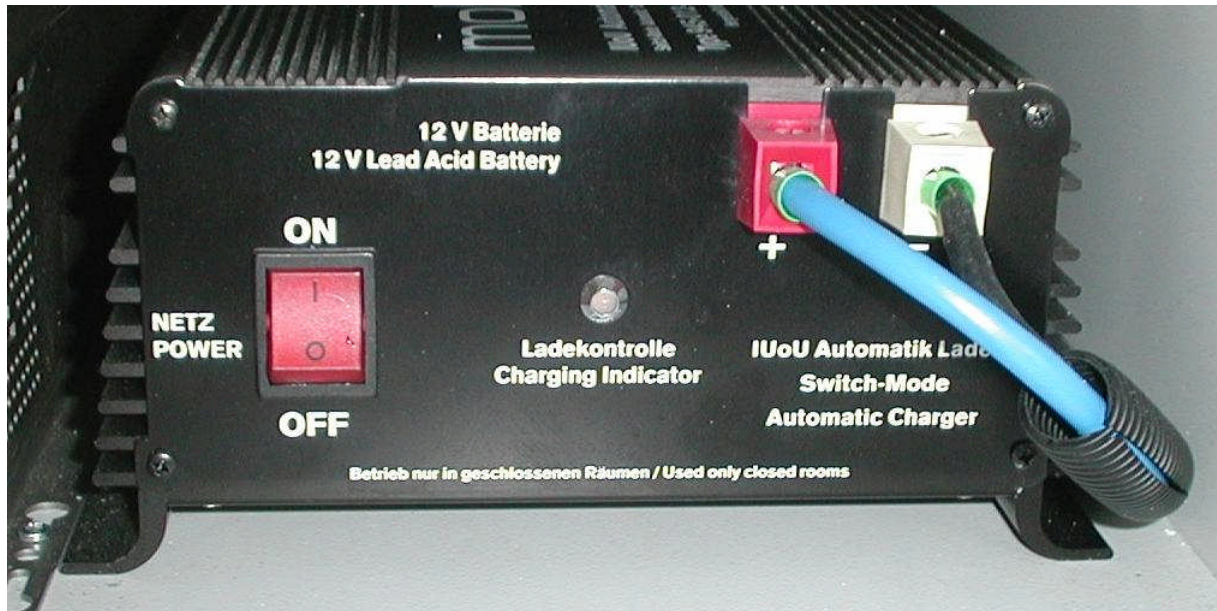
- ◆ Check the voltage and fusing of the external power supply before connecting up! The on-board electrical system has been designed for 230 volts and a frequency of 50 hertz. Do not connect up to an external power supply with any other voltage or frequency!
- ◆ If using an extension lead, only use a weather-resistant, three-core cable with a separate earthing conductor! The cable must have a cross-sectional area of at least 3 x 1.5 mm². Do not connect up to the external power supply until all preparatory work has been performed. Unplug the external connector as the first step in your preparations for leaving the site. If a cable drum is used, make sure that the cable is completely unwound from the drum (fire hazard)!
- ◆ After hooking up to the external power supply, check that the protective circuit-breakers work properly (Page 10).
- ◆ Do not use the compartment containing the battery and automatic charger to store anything else!
- ◆ Repairs to the electrical system may only be performed by a suitably qualified electrician. Modifications carried out by people who are not suitably qualified constitute a potential safety hazard!
- ◆ The original leisure battery may only be replaced by another identical battery! Do not use a vehicle battery as it produces small quantities of hydrogen and oxygen when charging, which may accumulate and represent a safety hazard.
- ◆ It is advisable to disconnect the vehicle from the external power supply in the event of a thunderstorm.

Automatic Charger

The built-in electronic charger with IUoU characteristic recharges the leisure battery while the vehicle is hooked up to the external 230 V power supply. With electronic voltage measurement and additional measurement of the battery temperature, the charger adapts the charging current to the respective charge status of the battery to ensure optimum, gentle charging and a long service life. The battery cannot be overcharged. The charger is accommodated in the rear garage compartment.

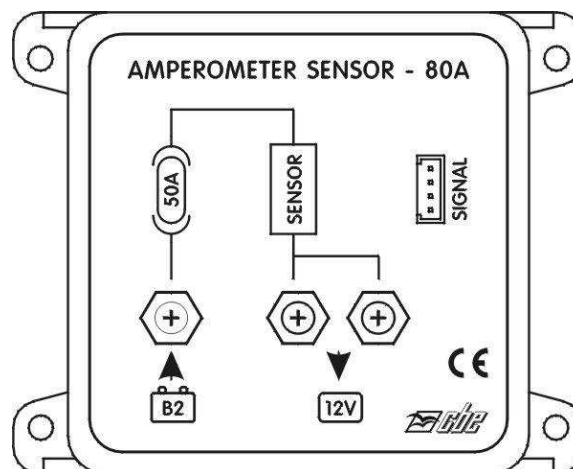
Please refer to the instructions supplied with the battery charger for more detailed information.

Electronic battery charger



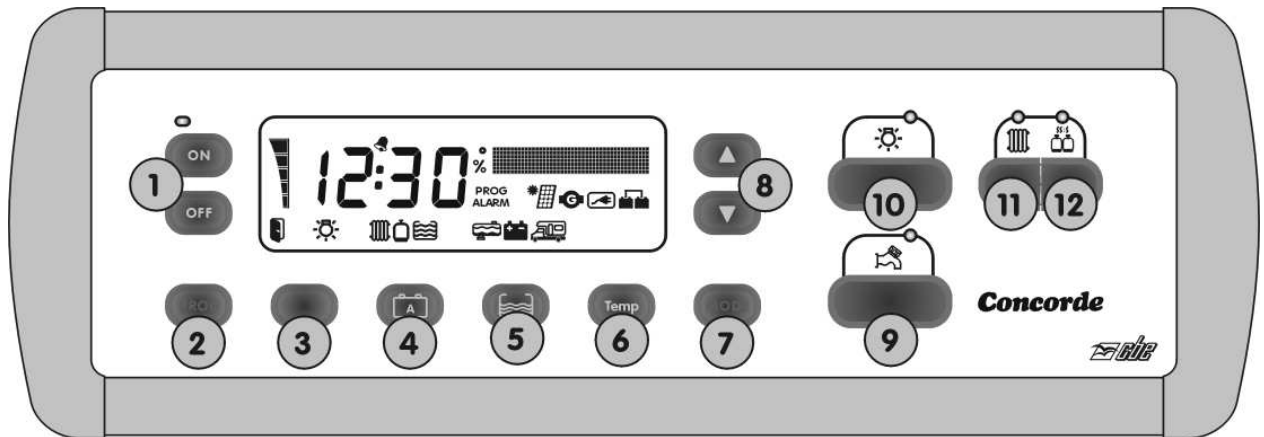
Ammeter sensor

This is fitted next to the leisure battery. It offers a means of indicating the charging current going into the leisure battery and the current discharged by the battery. **It contains a protective fuse (50 A) for the leisure battery.** A description of the indicator functions can be found in paragraph (4) of the section entitled "Control panel".



Control panel

The control panel is fitted above the door to the living area. It is used to control the on-board electrical system, provides a status overview of the important items of equipment and issues automatic warnings as and when necessary.



Pushbuttons (1 – 12)

(1) Pushbuttons used to switch the 12 V system on and off.

- Press the "On" button: **On** (green lamp lights up above the button);
- Press the "Off" button: **Off**.

A brief audible signal indicates that the system is functioning properly and the time subsequently appears on the display. You can now switch on various items of electrical equipment and use the pushbutton functions described below. Every time a pushbutton is pressed, it is acknowledged by an audible signal.

(2) Pushbutton used to set various parameters (refer to Programming)

(3) Pushbutton used to check the voltage of the vehicle and leisure batteries

Press this button to switch between the displays for battery 2, battery 1 and the basic display (time).

The battery voltage is displayed as a number in volts and in the form of a bar chart which symbolises the available battery capacity. The currently measured battery is indicated by a plain text display (B 1 = vehicle battery, B 2 = leisure battery) and a symbol for chassis or coachwork. The battery voltage should always be within the range between 12 V and 13.5 V. If the battery voltage drops below this, switch off the items of equipment and recharge the battery via the external power supply or the vehicle's generator.

(4) Pushbutton used to check the charging/discharge current of the leisure battery (ammeter)

The difference between the surplus current provided by the charging current (mains, solar panel, vehicle generator) and the current consumed by the items of equipment is displayed in amperes. A value displayed without a minus sign indicates that there is the corresponding amount of surplus current, whereas a value displayed with a minus sign indicates the corresponding amount of consumption. All items of equipment must be switched off in order to correctly measure the charging current alone and the charger must be deactivated in order to correctly measure the consumed current alone. Multiply the ampere consumption value by 12 to determine consumption in watts.

(5) Pushbutton to check the levels of the freshwater and used water tanks

Press this button to switch between the displays for the fresh water tank, used water tank and basic display (time).

The water level is displayed as a percentage of the available tank capacity in numbers and in the form of a bar chart. The tank that is being measured is indicated in plain language and by the appropriate symbol.

(6) Pushbutton used to check the inside and outside temperatures

Press this button to switch between the displays for the inside temperature, outside temperature and basic display (time).

The temperature is displayed as a number in degrees Celsius. The measured temperature is indicated by a plain language text.

(7) MODE pushbutton used to confirm selected functions (refer to "Programming")

(8) Pushbutton used to select functions (refer to "Programming")

(9) Pushbutton used to switch the pressurised water pump on and off

The yellow light-emitting diode (LED) indicates that the pump is ready for use. Refer to the section on using the water system for more detailed information.

(10) Pushbutton used to switch the interior lighting on and off

The yellow LED lights up to indicate that the pushbutton has been switched on.

(11) Pushbutton for the power supply to the hot-water heating

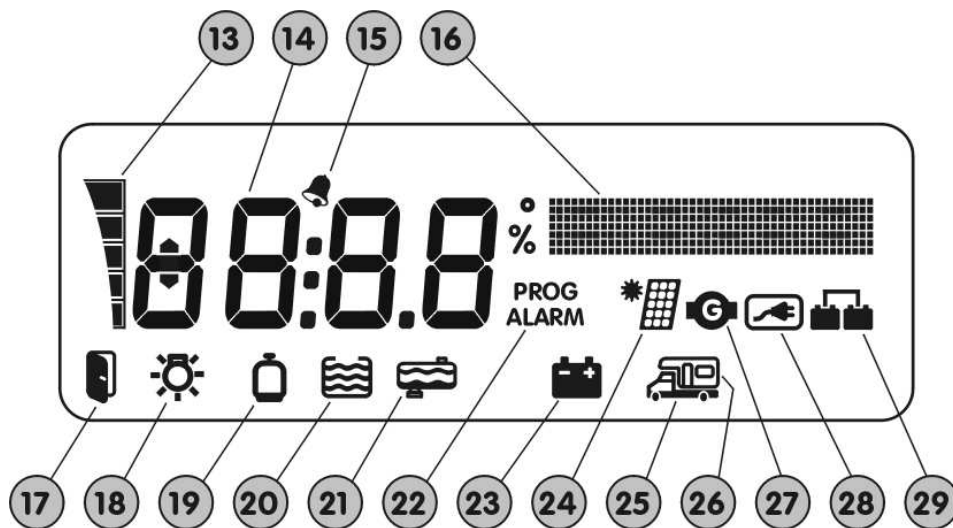
The yellow LED lights up to indicate that the pushbutton has been switched on.

Note: Always switch the heating on and off at the heating system control panel. Never switch on or off directly via pushbutton 11 as this could cause a fault in the heating system.

(12) Pushbutton for the gas pressure regulator heating system

The yellow LED lights up to indicate that the pushbutton has been switched on.

If the outside temperature drops below plus 4 degrees Celsius, you should use this pushbutton to switch on the heating system for the gas pressure regulator in order to prevent the pressure regulator on the gas bottle from freezing closed. The power consumption of the electric heater amounts to approx. 0.3 Ah/h.

Warning and status indicators (13 - 29)

(13) Bar chart used to indicate the filling levels in the tanks and battery voltages

(14) Digital display of the time and scan functions

(15) Alarm on indicator

(16) Alphanumeric display for the scan functions

(17) Step extended indicator

Only appears when the engine is running if the step has not been retracted.

(18) Exhaustive discharge protection circuit indicator

This lamp starts flashing if the leisure battery has been exhausted and the electronic system has deactivated all items of equipment to protect it. The deactivation function can be suspended for approximately one minute by pressing any button on the control panel. Please recharge the leisure battery via the charger or vehicle generator without delay.

(19) Empty gas bottle indicator

When the service gas bottle is empty, the Triomatic system switches over to the reserve bottle automatically. You then have sufficient time to have the empty bottle refilled. Connect the refilled bottle to the red regulator, i.e. as the new reserve bottle and continue using the previous reserve bottle until it is completely empty.

(20) Symbol for fresh water tank

Signals that the content of the fresh water tank is being scanned.

A flashing symbol in conjunction with an audible warning indicates that the level in the fresh water tank has dropped below approximately 35 litres. If you wish, you can deactivate the audible warning in programming mode.

(21) Symbol for used water tank

Signals that the content of the used water tank is being scanned.

A flashing symbol in conjunction with an audible warning indicates that the used water tank is filled up to approximately 85 %. This means that the tank is only capable of carrying approximately 35 litres more before it starts overflowing. If you wish, you can deactivate the acoustic warning in programming mode.

(22) PROG: Programming indicator, Alarm: Signal indicator**(23) Battery symbol**

Indicates scanning of the battery voltage in conjunction with No. 25 or No. 26.

A flashing symbol combined with indicator 25 or 26 and an acoustic warning indicates that the voltage of the respective battery has dropped below the permitted value of approx. 11 V. Switch off all items of equipment which are not essential and recharge the battery via the charger or vehicle generator. If the voltage continues to drop, the electronic monitoring system deactivates all items of equipment (apart from the electric step and light above the entrance door).

(24) Indicator of solar panel charging**(25) Symbol for vehicle battery**

Indicates scanning of the battery voltage in conjunction with indicator (23)

(26) Symbol for leisure battery

Indicates scanning of the battery voltage in conjunction with indicator (23)

(27) Indicator of generator charging of the vehicle and leisure batteries**(28) 230 V external power supply indicator****(29) Batteries connected in parallel indicator**

Indicates that the vehicle and leisure batteries are connected in parallel. This is the case when the engine is running and the vehicle generator produces sufficient voltage to recharge the leisure battery as well as the vehicle battery, and when the vehicle is connected up to an external power supply, the charger has recharged the leisure battery to an adequate extent and is now also recharging the vehicle battery.

Alphanumeric messages on the display

VOLT B1	Testing the vehicle battery	VOLT B2	Testing the leisure battery
AMPER	Testing the leisure battery charge/discharge current		
FRISCHW.1 [FRESHW.1]	Testing fresh water tank or alarm		
ZUSATZ [AUXILIARY]	Testing auxiliary tank or alarm (back-up)		
ABW.1 [USEDW.1]	Testing used water tank or signal		
°C INNEN [°C INSIDE]	Testing inside temperature		
°C AUSSEN. [°C OUTSIDE]	Testing outside temperature		
GAS FL. [GAS BOT.]	Gas bottle alarm		
RESERVE	Indicates leisure battery in reserve		
ENTLADE [DISCHARGE]	Indicates leisure battery discharged		
TRITTST. [STEP]	Indicates that the step is still extended with the engine running		
MOTOR [ENGINE]	Engine running with vehicle and leisure batteries connected in parallel		
NETZ [MAINS]	Vehicle connected to 230 V mains power supply		
WECKER [ALARM]	Alarm clock programming		
UHR [CLOCK]	Setting the time		
SPRACHE [LANG.]	Setting the chosen language		
KONTRAST [CONTRAST]	LCD contrast adjustment		
ALARM	Alarm clock activation		

Programming

You can use programming mode to set various functions, which primarily include the alarm clock function, the time and the display contrast in practical day-to-day operation.

To set the alarm clock function:

1. Press the PROG (2) pushbutton
2. Use the arrow buttons (8) to select "Alarm"
3. Confirm by pressing the MODE button (7)
4. Use the arrow buttons (8) to set the hour for the alarm, confirm with MODE
5. Use the arrow buttons (8) to set the minutes for the alarm, confirm with MODE
6. Press the PROG pushbutton again to terminate the setting procedure

To deactivate the alarm function:

1. Repeat steps 1 – 3 as described above
2. Press the MODE button twice and use the arrow buttons to switch "off".
3. Press PROG to return to the clock function.

To turn the alarm off while ringing:

1. Press the MODE button

To set the clock

1. Press the PROG (2) pushbutton
2. Use the arrow buttons (8) to select "Clock"
3. Confirm by pressing the MODE button (7)
4. Use the arrow buttons (8) to set the hour, confirm with MODE
5. Use the arrow buttons (8) to set the minutes, confirm with MODE
6. Press the PROG pushbutton again to terminate the setting procedure

Central electrical system

The central electrical system is accommodated under the rear bench seat (the left-hand seat in R models). This is where the 12-volt control and distribution module is located, as well as the 12-volt relay module and the 230-volt distribution and fuse module.

230 V distribution and fuse module with protective circuit-breaker

The 230 V system is equipped with a protective circuit-breaker / ELCB (earth-leakage circuit-breaker) and 230 V automatic circuit-breakers. The protective circuit-breaker constantly compares the current in the supply and return lines of the 230 V circuit. If a leakage current is detected (e.g. due to a short circuit in an appliance or accidental contact with one of the contacts in the socket-outlet) the circuit-breaker opens and isolates the vehicle's 230 V circuit from the power supply. This ensures optimum protection against electric shock.

You can interrupt the supply manually by pressing the grey toggle switch downwards ("off" position), thereby de-energising the 230 V system. Flick the toggle switch upwards again ("on" position) to switch on. If the circuit-breaker is triggered automatically, first find out what has caused this to happen. Do not switch on again until the problem has been located and eliminated! If there is no obvious reason for the circuit-breaker to open, please contact a Concorde partner or a qualified electrician. After connecting up to the 230 V mains power supply, always press the white test button to check the circuit-breaker. The circuit-breaker must open when the test button has been pressed.

Apart from the protective circuit-breaker, automatic circuit-breakers have also been fitted for the 230 V socket-outlets in the kitchen, bathroom and living room, for the refrigerator, charger, TV cabinet and, where applicable, for additional accessories. If one of these automatic circuit-breakers is triggered, rectify the problem and switch the circuit-breaker on again by pressing the black toggle switch into the "on" position.

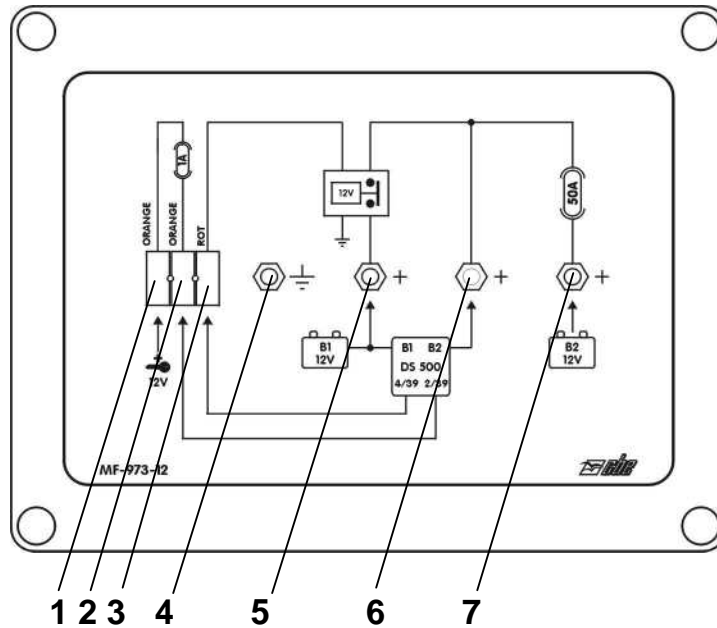
Central electrical system



*Control and distribution module 12 V relay module 230 V distribution module with protective circuit-breaker
+ 230 V automatic circuit-breakers*

Isolating module with relay

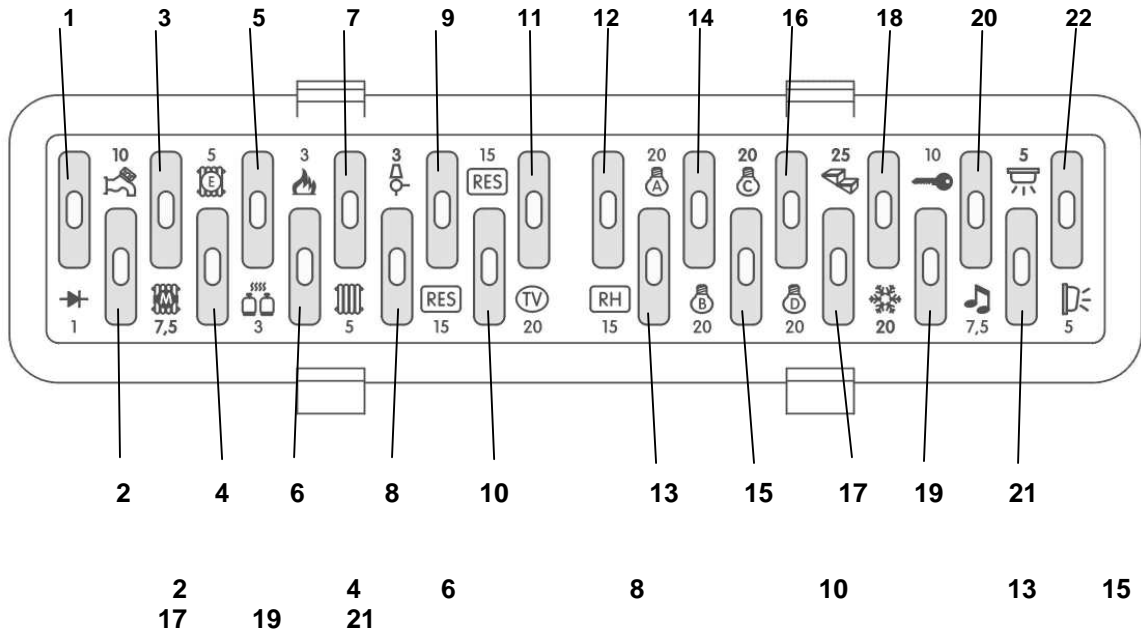
Controlled by distribution module DS500-SK, the isolating module with 12 V - 70 A relay is located in the 12 V relay module. It contains a fuse for leisure battery B2 (50 A) and the 1 A fuse for the positive ignition terminal.



1. Input D+
2. Output D+ protected by the 1 A fuse, connection to distribution module DS500-SK
3. Output - isolating relay
4. Chassis earth and negative battery terminal
5. + input - vehicle battery (B1)
6. + 12 V output protected by the 50 A fuse, connection to distribution module DS500-SK
7. + 12 V input - leisure battery (B2)

12 V control and distribution module

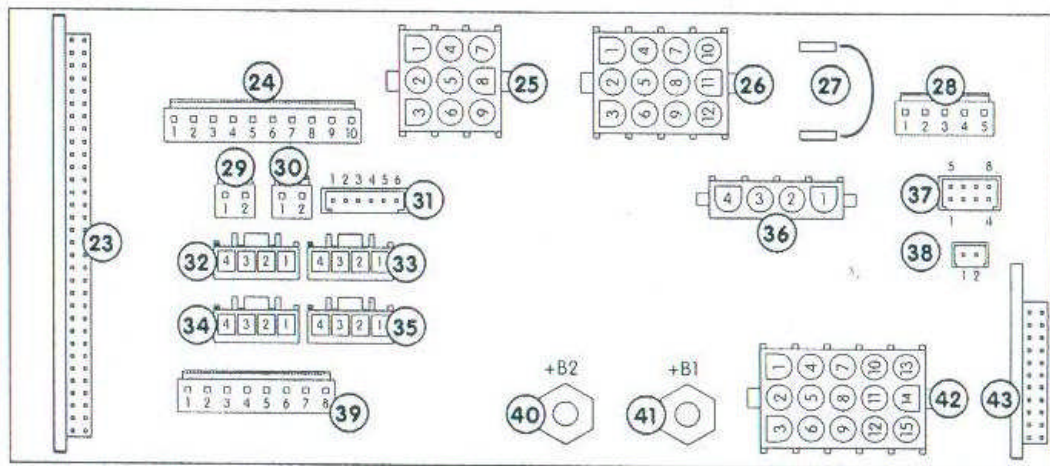
All 12 V items of equipment are connected up to the 12-volt control and distribution module and fused. Before changing a fuse, switch the pertinent item of equipment off. Do not replace a fuse until the cause of the problem has been found and rectified. Only use fuses for the prescribed current rating.



Fuses

No.	Nominal current ampere	Equipment
01	1	Control panel
02	10	Water pump
03	7.5	Auxiliary heater (option)
04	5	Not used (reserve)
05	3	Triomatic, gas pressure regulator heating
06	3	Not used (reserve)
07	3	Heating
08	3	Remote gas switch (option)
09	15	Entry lighting, driver's cab radio, engine heat exchanger pump (option)
10	15	"A" class electric front roller blind, "A" class cab lighting, elevating floor (option)
11	20	TV, SAT system, receiver
12	15	Not used (reserve), supplementary socket-outlets (option)
13	20	Kitchen lighting, 12 V socket-outlet in the kitchen, roof ventilator hob igniter, oven igniter (option)
14	20	Bathroom lighting, 12 V socket-outlet in the bathroom, WC, rear storage compartment lighting, walk-through lighting, lighting for RH rear bed
15	20	Lighting above LH seating group, LH overcab bed lighting, lighting for LH rear bed, linen cupboard lighting
16	20	Lighting for front storage compartment, lighting above RH seating group, RH overcab bed lighting, 12 V socket-outlet seating group
17	25	Door step
18	20	12 V power supply to refrigerator/AES electronics
19	10	Alarm system
20	7.5	Radio in living area
21	5	Central lights
22	5	Exterior light

Terminals in the control and distribution module



- 23) Bus PCB for connection of the control panel
- 24) 10-pin connector for the following items of equipment:
- Output - water pump
 - Auxiliary heating (option)
 - Not used
 - Output - Triomatic/gas pressure regulator heating
 - Not used
 - Not used
 - Not used
 - Hot-water heating
 - Not used
 - Remote gas switch (option)
- 25) 9-pin connector for the following items of equipment:
- "A" class electric front roller blind
 - "A" class driver's cab lighting
 - elevating floor (option)
 - Driver's cab radio,
 - entry lighting,
 - engine heat exchanger pump (option)
 - Output - TV, SAT system, receiver
 - Reserve, supplementary socket-outlets (option)
 - Reserve, supplementary socket-outlets (option)
- 26) 12pin connector for the following items of equipment:
- Output -kitchen lights, 12 V socket-outlet in the kitchen, roof ventilator hob igniter, oven igniter (option)
 - Output -bathroom lights, 12 V socket-outlet in the bathroom, WC, rear storage compartment lighting,walk-through lighting, lighting for RH rear bed
 - Output -lights for LH seating group, LH overcab bed lightinglighting for LH rear bed, linen cupboard lighting
 - Output - front storage compartment lighting, lighting for RH seating group, RH overcab bed lighting, 12 V socket-outlet for seating group
- 27) Jumper to bypass the absorption refrigerator relay
- 28) 5- pin connector for the following items of equipment:
- Alarm system
 - Radio
 - Radio memory locations
 - Central interior lights
 - Exterior light
- 29) Red 2-pin connector for inside temperature sensor

- 30) White 2-pin connector for outside temperature sensor
- 31) 6-pin connector for control panel
- 32) Blue 4-pin connector for ammeter sensor
- 33) White 4-pin connector for fresh water tank probe
- 34) Red 4-pin connector for auxiliary tank probe (option)
- 35) Black 4-pin connector for used water tank probe
- 36) 4-pin connector for the following items of equipment:
 - i-ii) Absorption/AES refrigerator
 - iii) Step motor (+ opens)
 - iv) Step motor (+ closes)
- 37) 8-pin connector for operator control panel in entry area (central lights, exterior lighting, step)
- 38) 2-pin connector for interior lighting pushbuttons
- 39) 8-pin connector for the following:
 - i) Output D
 - ii) + Key
 - iii) Mains signal
 - iv) Output D+
 - v) Triomatic automatic gas bottle changeover
 - vi) Solar-electric system
 - vii) Step limit switch
 - viii) Not used
- 40) Screw terminal to connect the positive terminal of leisure battery B 2
- 41) Screw terminal to connect the positive terminal of vehicle battery B 1
- 42) 15-pin connector for the negative terminals of devices 1-12) earth
- 43) Control PCB for central lights, exterior lighting and battery isolating relay

Fuses

The 12 V system is equipped with various fuses, which are intended to protect the system in the event of a malfunction or defect and prevent any further damage.

Main fuse - charging lead

The lead running from the vehicle battery to the relay module is protected by a 50 A fuse at the vehicle battery (B 1). The fuse holder (little black box) is fitted next to the vehicle battery in the engine compartment.

If this fuse is defective, the leisure battery will not be recharged while driving.

To check the fuse, use a small screwdriver to lever the black cover upwards. You will find a replacement fuse in your **Concorde** kit. To replace the fuse, undo the inner screws securing the fuse holder a few turns and remove the fuse plate. Fit the new fuse and tighten the screws. Press the cover back into place.

Note:

The fuse may blow if you try to recharge an extremely flat leisure battery (where the voltage has dropped below 10 V). In this case, you must first use an external charger to precharge the leisure battery.

Main fuse - leisure battery

The main power line from the vehicle battery to the distribution module is also protected by a 50 A fuse. The fuse holder is located in the ammeter sensor next to the leisure battery.

The entire 12 V system will not work if this fuse is defective.

To check the fuse, use a small screwdriver to open the cover to the left. You will find a replacement fuse in your **Concorde** kit. To replace the fuse, undo the inner screws securing the fuse holder a few turns and remove the fuse plate. Fit the new fuse and tighten the screws.

Note:

- If the main fuse has blown, this is usually due to a short circuit in the system. Rectify the problem before replacing the fuse in order to prevent further damage to the leads.
- The electrical system should be checked by your dealer once a year within the framework of the annual coachwork inspection.
- The fuse holders for the D+ control lead and main fuse for the leisure battery are located in the 12 V relay module.



Fuse holder - 50 A main fuse

Gas system

Your vehicle is equipped with a gas system, which supplies the energy for the cooker, refrigerator, heating and hot-water boiler. Provision has been made for two gas bottles, each weighing 11 kilograms. The gas system has been designed for 30 mbar gas pressure. All of the appliances that run on gas are equipped with safety pilots, which cut off the gas supply if the flame is extinguished unintentionally.

Gas bottle compartment

The gas bottle compartment has been designed to accommodate two 11 kg gas bottles. It complies with the requirements of the German gas regulation DVGW G 607. The bottle compartment is sealed off from the living area. There are ventilation holes in the floor of the gas bottle compartment and these must never be closed or obstructed. The gas bottle compartment also contains the Triomatic connection and changeover facility with two medium-pressure regulators and an appliance regulator. The system has been designed for the simultaneous connection of two bottles, but is also capable of running with only one bottle connected, if necessary.

Using for the first time

1. Remove the protective cap from the gas bottle by pulling the safety pin out. Unscrew the threaded safety cap, turning clockwise (left-handed thread).
2. Position the gas bottles in the holders inside the bottle compartment and secure firmly using the fastening straps.
3. Position the pressure regulator on the threaded gas bottle connector and, keeping the regulator straight, turn the swivel nut counter-clockwise to tighten. Tighten hand-tight only! Do not use any tools! Avoid turning the gas pressure regulator as this could damage the hose.
4. Open the cut-off valve on the reserve bottle (red regulator) first by turning counter-clockwise, then open the cut-off valve on the service bottle (green regulator). The valves on both gas bottles must be open for use! If you hear a hissing noise or smell gas, close the valve immediately and check that the pressure regulator has been fitted properly, connecting up again if necessary.

Note:

The valve on the bottle only needs to be opened by a ¼ turn.

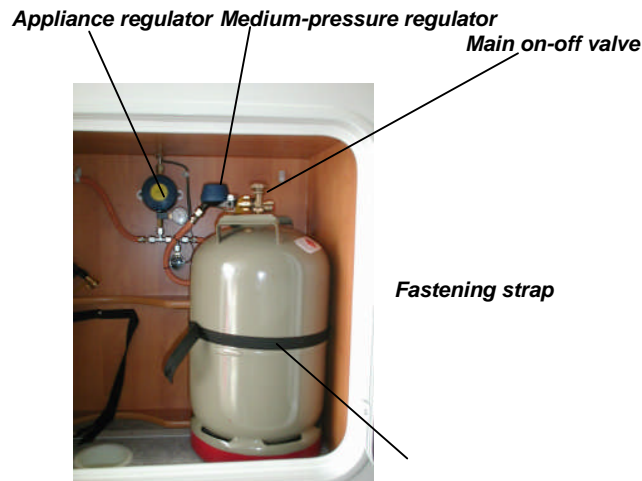
5. The gas system is now ready for use. You can now start using the various items of equipment in accordance with the instructions. Gas is first drawn from the service bottle. When this is empty, the system changes over to the reserve bottle automatically. The changeover from empty service bottle to full reserve bottle is indicated by the "empty gas bottle" symbol (19) on the control panel.

Replacing the service bottle

1. Close the cut-off valve on the service bottle by turning it clockwise.
2. Unscrew the swivel nut holding the gas pressure regulator on the service bottle by turning it clockwise and remove the pressure regulator from the bottle.
3. Undo the strap securing the service bottle and remove the bottle.
4. Replace with a full bottle, securing and connecting up in the same way as described when using for the first time.

You can continue using the gas appliances while the service bottle is being replaced. Gas is only drawn from the reserve bottle until such time as a full service bottle has been connected up.

Once the full service bottle has been connected up, the "empty gas bottle" indicator (19) goes out on the control panel.



Replacing the reserve bottle

Use the reserve bottle as the service bottle occasionally to ensure that it is completely emptied from time to time. To do this: close the cut-off valves on both service and reserve bottles. Then follow the procedure described in the section on "Replacing the service bottle".

Note:

Close the cut-off valves on all items of equipment when removing and connecting both gas bottles.

Pressure gauge on the appliance regulator

The pressure gauge on the main regulator may indicate the following states:

0	= Bottles empty or cut-off valves closed
0 – 1	= Bottle filled with butane
more than 3	= Bottle filled with propane

Note:

If the gauge indicates less than 3 when bottles of propane are used and the valves open, this could indicate a leak in the gas system!

Gas pressure regulator heater

The gas pressure regulator fitted on the service bottle is equipped with an electric heating system, which prevents the pressure regulator from freezing. A reliable gas supply is therefore assured even during very cold weather. Operation: refer to the section on the control panel.

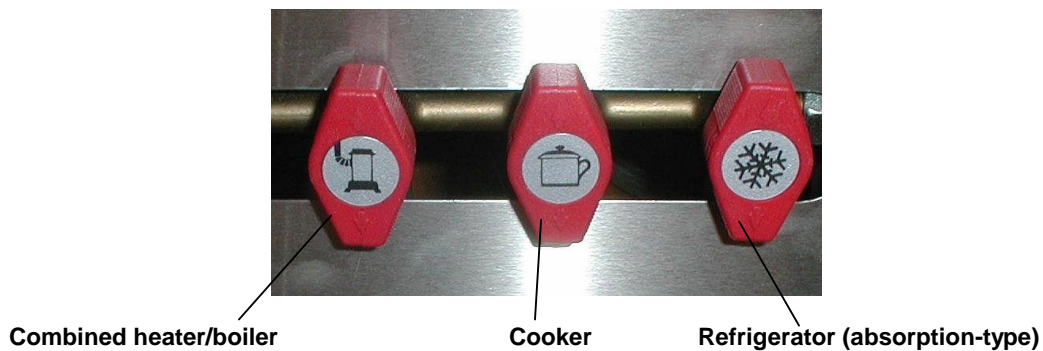
The gas cut-off valves

For your safety, each gas appliance may be switched off individually by means of a separate cut-off valve. You should always close the cut-off valve for an item of equipment that is not being used. Refer to the layout of the gas system in Appendix C for the locations of the cut-off valves.

- **Vertical position (refer to the photograph):** cut-off valve open
- **Horizontal position:** cut-off valve closed

If you are not using the gas system, always close the main on-off valve on the gas bottle. The gas system has been installed in accordance with the technical stipulations of German regulation DVGW G 607. The gas test certificate supplied with the vehicle is your confirmation that the gas system has been installed properly. Always keep this certificate in the vehicle. A follow-up test must be carried out every two years. Contact your dealer for an appointment when this is due.

Gas cut-off valves



Note:

If an external gas connection is provided, it is connected to the refrigerator line and has a separate cut-off valve inside the service flap.

**Safety information!**

Please comply with the following instructions for your own safety:

- If you smell gas (odour similar to that of garlic): shut the system down immediately. Close the valves on the bottles and appliances. Open windows and doors and air thoroughly. Do not operate any electric switches (lamps, step, items of equipment or vehicle starter motor). Have the gas system checked by a specialist without delay. If the hob burner flame flutters or burns yellow: turn the burner off immediately, close the gas cut-off valve for the cooker and have the appliance checked by a specialist.
- Do not modify the gas system in any way whatever and do not perform any work on it yourself.
- If you would like any modifications to the gas system (e.g. installation of additional items of equipment or an extra connection), you should preferably have the work performed by the manufacturer. If this is not possible, work may only be performed on the gas system by qualified specialists approved by the German LP Gas Association (DVFG). Ask for verification of this approval. Every modification to the gas system must be entered on the gas test certificate; failure to comply with this ruling renders the certificate null and void.
- Examine the connecting hoses for signs of wear at regular intervals. If necessary, replace hoses with genuine spare parts, fitting new ones by the expiry date printed on the original hoses at the latest.
- Only ever use genuine spare parts to replace defective gas system components.
- After igniting a hob burner, the respective gas tap must spring back into place automatically.
- The ventilation holes in the floor of the gas bottle compartment must never be closed off or obstructed.
- Avoid kinks in the gas hoses.
- Always connect the gas pressure regulator in the horizontal position.
- Do not smoke or use a naked flame when working with the gas system.
- Make sure that there is adequate ventilation (e.g. roof hatch open) when using the cooker to ensure that there is no lack of oxygen.
- Never use the cooker to heat the living area.
- Close the on-off valves on the gas bottles if not used for an extended period.
- Do not keep anything else in the gas bottle storage compartment!
- Always keep the gas test certificate in the vehicle.

Note:

Wherever possible, only use gas bottles filled with pure propane or a mixture of propane and butane. Butane is no longer gaseous at temperatures under 0 degrees Celsius and there is therefore no gas flow.

Water system

General information

The water system comprises the following:

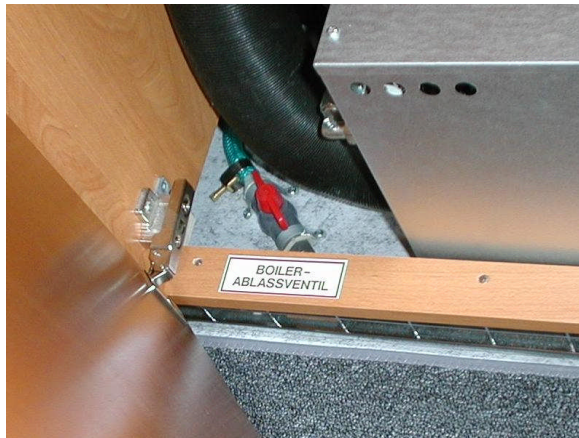
- Fresh water tank with lockable cap and stop cock.
- Used water tank with stop cock.
- Central hydraulic pump with water filter.
- Fresh water and used water pipes with stop cocks.
- Hot and cold water drain valves.
- Stop cock for the hot-water heating system.

Using for the first time

1. Please close:
 - a. The stop cocks for the fresh water and used water tanks (turn the tap across the line).
 - b. The hot-water drain valve (turn the tap across the red line).
 - c. The cold-water drain valve (turn the tap across the blue line).
 - d. All stop cocks.
 - e. The heating system drain valve next to the heater: turn the red tap across the line.



**Hot and cold-water drain valves
(open position)**



**Boiler drain valve
(open position)**



Used water stop cock (open position)



Water filler cap (left-hand side wall)

2. Open the cover on the filler hole for the fresh water tank (position: left outside, refer to the layout of the used water lines in Appendix E). **Caution: Do not confuse with the diesel filler neck on the "A" class!!** Insert the coachwork key in the cap lock and turn 180° to the left, holding the cap if necessary to prevent it turning as well. Remove the key! Now press the cap down slightly and turn to the left. You will hear a short clicking noise as the lock disengages; turn the cap another 180° to remove.
3. Fill the fresh water tank using a water hose inserted into the filler hole in the outside wall. The hose must not be more than ½ inch in diameter. We recommend that you reduce the pressure before the tank reaches the maximum level to prevent backpressure building up in the filler pipe causing the water to spurt out again.
4. Apply the cap with the lugs in line with the cut-outs, press down firmly and turn the cap to the right as far as it will go. Turn the key 180° to the right to lock the cap.
5. First press the master pushbutton (1) on the control panel, followed by the pushbutton for the water pump (9) (refer to Page 6), the pilot lamp lights up to indicate that the pump has been switched on.
6. Open the taps in bathroom and kitchen in the "hot" position. This causes the system to fill up (taking several minutes).
7. When water flows out of the tap without any air bubbles, close the tap. The water pump should turn off automatically shortly afterwards (you will hear the water stop running). If you wish, top the water in the fresh water tank up again to replace the water used to fill the system.
8. The water supply is now ready for use. You can read the water levels in the fresh water and used water tanks on the control panel (Pages 6/7). The water pump starts running automatically when one or several tap(s) is/are opened. The water pump must stop running again shortly after closing the last tap. If this is not the case, or if the pump switches on without a tap being opened (you can hear water running), this could be due to a leak in the water system. Water leaks can cause serious damage, so ask your *Concorde* dealer to check the system for you. Always turn the water pump off using the pushbutton (9) when leaving the vehicle for a longer period.

Note:

Never allow the water pump to run without water as this could damage or destroy the pump.

We recommend that you add a sterilising agent to the fresh water tank. Alternatively, it is advisable to use a separate canister for drinking water or drink mineral water. Because of the risk of germs, fresh water should not be left in the tank for longer than 3 - 4 days. The used water system should also be emptied at regular intervals to prevent the build-up of algae or contamination.

Emptying the used water tank

You can read the level in the used water tank on the control panel (Pages 6/7). The symbol (No. 21) starts flashing on the control panel when the tank is 85 % full.

1. Undo the bayonet cap on the outlet connection under the floor of the vehicle. Use the bayonet coupling to connect the used water drain hose, where applicable.
2. Open the outside flap to the used water tank. Turn the finger-grip knob at "O" in the direction of flow through the line.
3. When the tank is empty, close the tap and used water tank flap again and replace the bayonet cap on the outlet connection.

Where will you find fresh water and where can you empty the used water tank?

The documents supplied with your motorcaravan include a motorcaravan service map of Germany issued by the German Recreational Vehicle Manufacturers Association (VDWH) and promobil, which contains a list of supply and disposal stations where you can fill up your fresh water tank and empty your used water tank throughout Germany.

Other alternatives include garages and service stations, as well as camp sites, of course.

Heating System

Please refer to the Alde User Manual for full operating instructions. Please also note the service requirements for the heating system, details are given in the Warranty & Maintenance Booklet section on page 80.

Using The Equipment & Functions

Keys

Your **Concorde** motorcaravan is equipped with a key for the base vehicle and a key for the coachwork or living accommodation (apart from the Concorde C 1 on MAN chassis – refer to the MAN owner's manual).

The **vehicle key** is used as the ignition key and to open the doors to the driver's cab of every coachbuilt model. Please refer to the owner's manual for the base vehicle supplied with your motorcaravan.

You can use the **coachwork key** to open and lock the door to the living area, the outside flaps, the toilet flap and the cap for the fresh water tank.

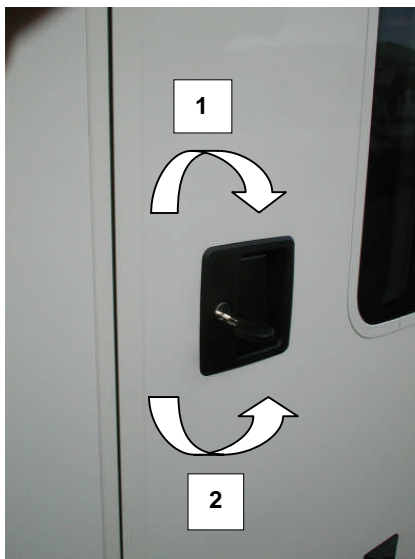


Vehicle key (example)

Coachwork key

Main Caravan Door

Opening / closing the door to the living area



Door to living area – outside

1 = To unlock 2 = To lock



Door to living area - inside

Locking lever

To lock the door from the inside

Slide the locking lever downwards. The door can no longer be opened from the outside.

Opening the door from the inside

Pull the release lever

Warning!

Always lock the door before driving away!

Securing the door

The door can be fastened open using the latching fixture provided on the body.



Fastening the door open



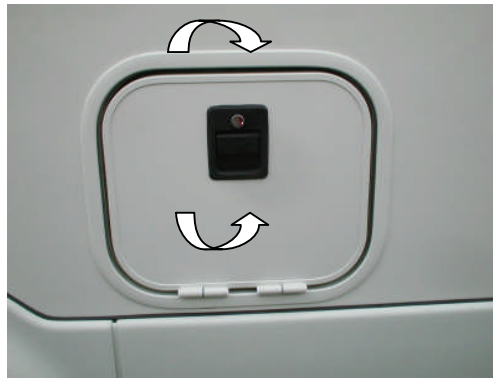
Opening/closing the roller blind in the door

Opening/closing the roller blind in the door

Press the two horizontal buttons on either side together to adjust the roller sunblind to the desired position. Release the buttons to secure.

Exterior Lockers

Turn the key to the right to lock

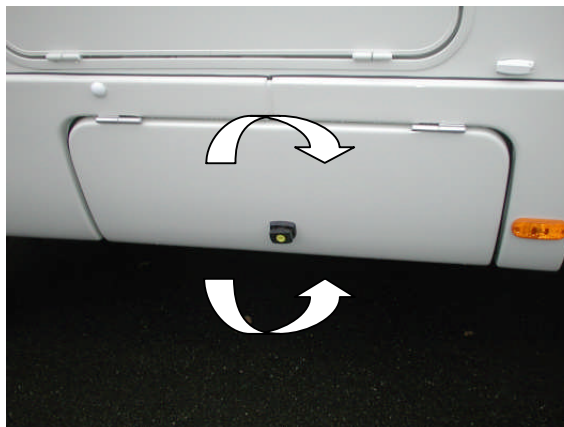


Turn the key to the left to unlock

Opening/closing the flaps in the valence panels (Concorde C 1 only)

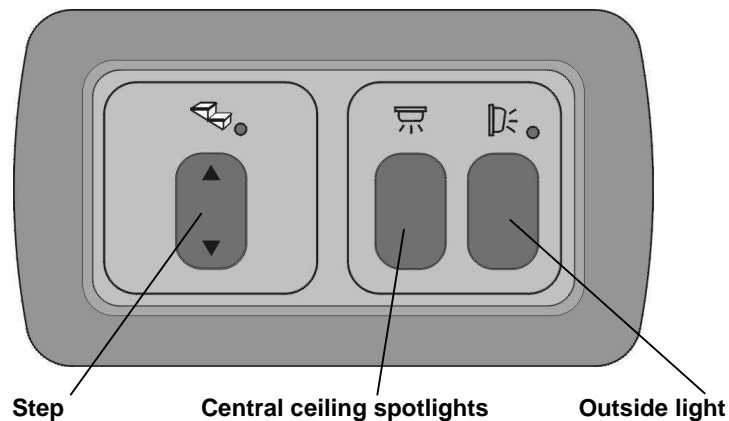
- To open turn the key to the right to release the grip, turn the grip to the left to open the flap.
- To close the flap and press inwards, turn the grip to the right; turn the key to the left and press the grip in until it latches.

Closing the flap



Opening the flap

Control elements inside the door



Pushbutton for electrically operated step.

This works even if the control panel is switched off.

- ♦ To extend the step: press the "downward" arrow of the pushbutton until the step has been fully extended.
- ♦ To retract the step: press the "upward" arrow of the pushbutton until the step has been fully retracted.

You must keep the pushbutton pressed until the step has been fully extended or retracted for safety reasons. If any problems occur, stop pressing the button immediately!

The step may only be used if it has been fully extended! (It is normal for the step to give slightly when stepped on for the first time; this ensures gentle treatment of the gearing.)

If you have forgotten to retract the step before driving away, it is retracted automatically by a safety circuit approximately 30 seconds after the engine has been started. As a failure of this technical safeguard cannot be ruled out completely, you should always check that the step has been retracted before starting the engine.

The following warnings are given if the step is not retracted after driving away:

- audible warning issued by the control panel
- visual warning on the control: the letters "TRITTST" [STEP] are displayed with symbol 17
- visual warning: red LED above the pushbutton for the step
- **Stop the vehicle immediately!**

The step cannot be retracted while the engine is running.

Pushbutton for the central ceiling spotlights

Capable of operating when pushbutton 1 on the control panel has been switched on.

Pushbutton for the outside light

Capable of operating when pushbuttons 1 and 10 on the control panel have been switched on. The yellow lamp indicates that the outside light is on. A relay switches the outside light off automatically when the engine is started.

"A" class driver's and co-driver's seats



Forward and rear facing seat adjustment (bar)



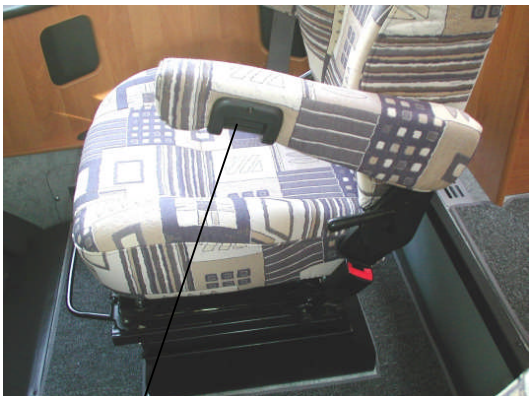
Backrest adjustment

Forward and rear facing seat adjustment

Sitting on the seat, pull the bar in front of the seat upwards and slide the seat into the desired position. Release the bar and move the seat slightly to engage the latching mechanism.

Backrest adjustment

Sitting on the seat, disengage the lever to the rear of the seat on the left-hand side to adjust the backrest to any angle up to 180 degrees in small increments.



Armrest height adjustment



Bellows to inflate the lumbar support

Armrest height adjustment

Rotate the adjusting wheel under the end of the armrest to adjust the height of the armrest. Do not lean on the armrest during the adjustment procedure.

Lumbar support

The lumbar support is adjusted by inflating it with bellows situated to the rear of the seat on the right-hand side. You can let the air out again by pressing the button behind the bellows. Please refer to the owner's manual issued by the manufacturer of the vehicle for details of the seat adjustment facilities for the coachbuilt models.



Safety information

- ◆ If you are driving the vehicle, adjust the seat in such a way as to ensure that you can reach all pedals and control elements easily. The backrest should be virtually upright. Your back should be up against the backrest and the seat belt should make contact in the shoulder area.
- ◆ Do not adjust the position of the driver's seat while the vehicle is moving.
- ◆ The co-driver should also adjust the seat to a virtually upright position for safety reasons.
- ◆ The seat belts must be fastened throughout every journey, however short.

"A" Class seat belts



Seat belt buckle



Seat belt height adjustment

Fastening the seat belt:

- Pull the seat belt diagonally across your shoulder and chest. The belt must not be twisted.
- Insert the mating plate into the seat belt buckle until you hear it latch into place.
- Pull on the seat belt to ensure that the buckle is securely fastened.

Opening the seat belt:

- Press the red release button in the seat belt buckle.
- Guide the safety belt back to its original position.

Belt height adjustment

- To lower: press the belt height adjustment button and slide the belt holder downwards.
- To raise: press the belt height adjustment button and slide the belt holder upwards.



Safety Information!

- ◆ Do not adjust the height of the seat belt while the vehicle is moving!
- ◆ Adopt an upright sitting position with your hips up against the backrest. Make sure that the seat belt is not twisted, that it is taut over hips and shoulder and that it is not stretched over hard or breakable objects in the pockets of your clothes. The seat belt must not make contact with your neck and must not be caught up on or in anything. The belt should be as close to the body as possible, so avoid wearing thick garments. Retention the belt frequently at shoulder level.
- ◆ Only ever use a seat belt to restrain one person.
- ◆ Do not take infants or small children on your lap while the vehicle is moving.
- ◆ Use suitable restraint systems for children up to 12 years of age

Electrical elevating floor - "A" class (option)

The electrically operated elevating floor offers a means of lifting the driver's and co-driver's seats up to the level of the floor in the living area.

Operation

The control elements are located in the cupboard above the door.

Keep the button pressed until the elevating floor has been fully raised or lowered (this takes around one minute).

The electric motor switches off automatically as soon as the final upper or lower position has been reached.



Raise the floor Lower the floor



Warnings:

- ◆ Make sure that the seats are in the driving positions before raising or lowering the floor.
- ◆ Make sure that there is nobody standing on the elevating floor when it is being raised or lowered!
- ◆ Check that the movement of the elevating floor and seat belts is not obstructed in any way!
- ◆ Always lower the floor before starting the engine!

Emergency operation

If the electric motor breaks down, the elevating floor can be lowered to the driving position mechanically. A hexagon head has been provided on the drive wheel of the motor for this, using a ratchet spanner to lower the floor.



Drive wheel with hexagon head



Warnings!

- ◆ The mechanical drive is not intended for continuous operation!

"A" class driver's and co-driver's seats - elevating floor - Mercedes (option)

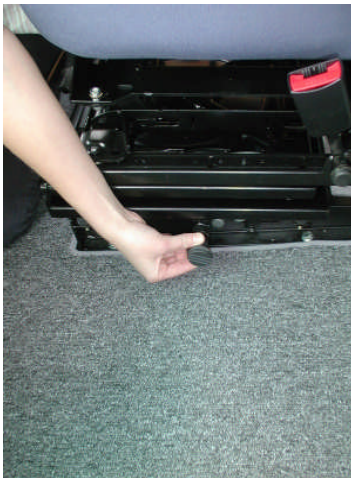
An additional seat height adjustment facility is required to integrate the driver's and co-driver's seats into the elevating floor of the MB chassis in order to achieve the ideal seat position in the living area.

- ◆ To raise: pull the safety spring bolt, then pull the seat upwards until the spring bolt latches into place.
- ◆ To lower: as above, in reverse order.



Safety information!

- ◆ Ensure that movement is not obstructed in any way or the mechanism could jam!



"A" class driver's and co-driver's seats - rotatable (option)

Follow the procedure outlined below to rotate the driver's and co-driver's seats into the leisure position:

- Move the backrest into an upright position.
- Disengage by lifting the safety lever.
- Rotate: turn the seat towards the middle of the vehicle. Use the sliding adjustment facility to adjust the position of the seat before or during the turning operation (necessary because of the steering wheel on the driver's side).
- Return to original position and lock: reverse the sequence of operations.



Disengage

Rotate

Relax

Seat belts in the living area

Seats occupied when the vehicle is moving / seat belts

Seat belt in the living area

The rear bench seat in the side seating group is equipped with a seat belt framework made of high-tensile steel. This is connected to the chassis via an intermediate frame. Two automatic seat belts are fitted to the seat belt framework.

Only the seat equipped with seat belts may be occupied when the vehicle is moving! The seat belts must be fastened throughout every journey, however short!

If your motorcaravan is equipped with a C-type bench seat or L-shaped bench seat, remove the central cushion before starting the engine if passengers wish to use the forward-facing bench seat (refer to Page 28).

Fastening the seat belt:

Pull on the seat belt to ensure that the buckle is securely fastened.

Pull the seat belt diagonally across your shoulder and chest. Insert the mating plate into the seat belt buckle until you hear it latch into place. Pull on the seat belt to ensure that the buckle is securely fastened. Check that the belt works properly by jerking on the belt with your hand, the retractor reel must block the movement.

Opening the seat belt:

Press the red release button in the seat belt buckle and support the automatic retraction facility by guiding the safety belt back to its original position.

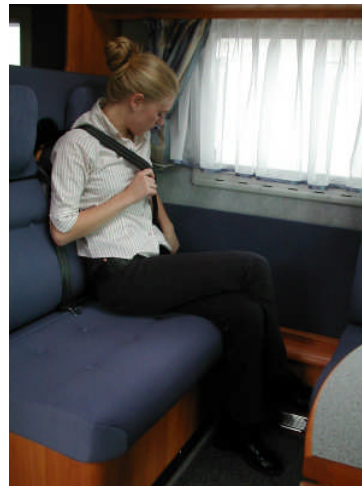


Safety information!

- ◆ Adopt an upright sitting position with your hips up against the backrest. Make sure that the seat belt is not twisted, that it is taut over hips and shoulder and that it is not stretched over hard or breakable objects in the pockets of your clothes. The seat belt must not make contact with your neck and must not be caught up on or in anything. The belt should be as close to the body as possible, so avoid wearing thick garments. Retention the belt frequently at shoulder level.
- ◆ Only ever use a seat belt to restrain one person.
- ◆ Do not take infants or small children on your lap while the vehicle is moving.
- ◆ Use suitable restraint systems for children up to 12 years of age.
- ◆ Comply with the manufacturer's instructions in this respect.

Converting the bench seat of a C-type seating group (additional seat with 3-point seat belt)

- Remove the rear cushion, seat cushion and supporting panel



Converting the C-type seating group

- Close the sliding door.
- Fit the support panel between the front bench seat and the longitudinal bench seat.
- Place the seat cushion and rear cushion in position.



Converting the seating group into a bed (option)

For models equipped with elevating table underframe:

- Press the control grip at the right-hand end of the elevating table underframe upwards.
- Pull the table forward slightly and lower.
- Place additional cushions on the table.



Table extension

- Undo the fasteners under the tabletop.
- Lift the front edge of the table and pull outwards as far as it will go.
- Unfold the extension piece.
- Adjust the position of the extension piece.
- Push the table together.
- Close the fasteners under the tabletop.



To alter the position of the table (with single leg support)

Lift the table with one hand at the leg end and use the other hand to move the table at the wall end.

"A" class outside rear view mirror

- Use the rotary switch to select right or left-hand outside rear view mirror (right-hand or left-hand arrow)
- Tilt the switch to move the mirror to the correct position
- The mirrors are heated automatically



Switch for front roller blind transformer Rotary switch
Front roller blind adjustment switch

"A" class front roller blind

- Turn the transformer switch (with pilot light) on.
- Press the adjustment switch to "up" or "down" until the front roller blind is in the desired position. The roller blind switches off automatically when it reaches the end position.

Sliding window in the driver's cab

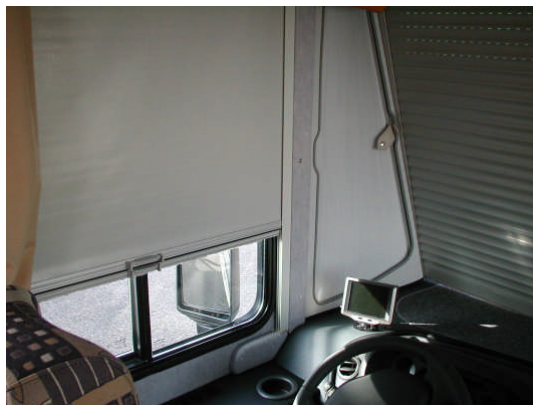
- To open the window, press the ends of the grip together and slide the window open.
- To close the window, slide it to until it latches closed.

Using the roller blinds on the side windows of the driver's cab

- Roller mosquito net: pull the grip downwards until it latches into the end position. To release, press the ends of the horizontal grip together and guide the net back into its original position.
- Roller sunblind: pull the grip downwards. Simply release the grip to fix the blind in the desired position. To disengage, press the ends of the horizontal grip together and guide the blind back into its original position.

Roller blind for the triangular window

- Release the safety tab and pull the roller closed by the grip strip.
- To open, pull back by the safety tab. Secure the roller blind with the press-stud safety tab.



Note:

The roller blind works at its best at room temperature!

Refuelling - "A" class models and Concorde C1

Always use a car pump to fill up with fuel, never fill up from a pump intended for trucks.

Opening the filler neck:

The fuel filler neck is located on the left-hand side of the vehicle viewed from the driver's seat, under the front window. Open the flap, insert the key into the lock in the filler cap and turn 180° to the right, holding the cap if necessary to prevent it turning as well. Remove the key and press the cover closed. Now press the cap down slightly and turn to the left. You will hear a short clicking noise as the lock disengages; turn the cap another 180° to remove.

Closing the filler neck:

Apply the cap with the lugs in line with the cut outs, press down firmly and turn the cap to the right as far as it will go. Turn the key 180° to the right to lock the cap, then press the flap down again.



Warnings!

Stop the engine and turn off the heating for the living area or boiler, where applicable, before refuelling

Do not smoke or use a naked flame

Don't forget to lock the filler cap again after refuelling

If you smell diesel inside the vehicle go to the nearest service station for the base vehicle and find out what is causing the smell

Don't confuse the filler neck for fuel with the filler neck for water!

Opening and closing the bonnet - "A" class

- Pull the release lever (under the instrument panel to the left of the steering wheel).
- Lift the bonnet and fix open with the support rod. Make sure that the rod is properly engaged.
- Disengage the support rod from the recess in the bonnet and slide it back into the retainer on the chassis.
- Lower the bonnet carefully, with the locking bolt in line with the hole.
- Press the bonnet down until you hear the latch close.

Exterior lighting

When driving, the motorcaravan's exterior lighting comprises rear lights, side marker lights and clearance lights.

Changing a lamp in the rear light

- Use a Phillips screwdriver to remove the screws holding the cover for the rear light.

Changing a lamp in the side marker light

- Using a normal screwdriver, gently lever the light cover off (inserting the tip of the screwdriver between the cover and the base).
- Replace the 5 W Soffite lamp.

Changing a lamp in the clearance light

- Using a normal screwdriver in the notches, lever the light cover off (inserting the tip of the screwdriver between the cover and the base).
- Replace the lamp.

Interior Lighting

Interior lighting - "A" class driver's cab

Switch on and off using the pushbutton on the instrument panel or the toggle switch next to the light.

Lighting in the living area

The lights in the living area are powered by the 12 V leisure battery. The "On" button (1) on the control panel and the pushbutton for all interior lights (10) must have been pressed before the individual lights can be switched on (Pages 6/7). This does not apply to the central ceiling spotlights, however, which are turned on with the light switch just inside the door.

The lights in the bathroom are turned on and off with a light switch next to the bathroom door. This switch is equipped with a pilot light. The spotlights in the living area can be adjusted by pressing on the edge of the lamp housing.



Safety information!

The spotlights and bathroom lights get very hot. Do not touch the glass covers!

General information

Use the lights sparingly; even when the vehicle is hooked up to an external power supply, the capacity of the automatic charger is not sufficient to run all of the lights together over a long period of time. Switch all of the lights off at the control panel (pushbutton 10) before leaving the motorcaravan.

To replace a halogen lamp, use pliers to compress the annular spring and take it out of the retaining groove. You can then remove the spring and the glass cover. Pull the lamp out of the lampholder. Using a cloth, plug a new lamp into the holder. Never touch the lamp with your bare fingers. Replace the glass cover and annular spring (central light only) or turn the cover ring and remove.

Electrical Sockets

230-volt socket-outlets

The number of 230 V socket-outlets provided in your motorcaravan depends on the respective model. You can connect normal domestic appliances to these socket-outlets when the vehicle is hooked up to the external power supply. Appliances with up to 2000 W power input may be connected up.

Note:

Please bear in mind that the load withstand capability of the external connection is frequently considerably lower on some camp sites.

12-volt socket-outlets

You will find 12 V socket-outlets in the kitchen, near the seating group, behind the TV cabinet and next to the wash basin in the bathroom. 12 V appliances with 12 V connectors can be plugged into these. Power is only available at the socket-outlets when the "On" button (1) on the control panel has been pressed. The maximum load for each socket-outlet amounts to 10 A (= 120 W).

"A" class pulldown bed

To release

Lift the bed slightly. Pull the grip downwards. Press the bed down firmly at the forward end until it reaches its end position.

To lock up

Press the grip downwards. Raise the pulldown bed upwards, aided by the built-in pressurised lifting cylinders. Pull the curtain material inwards slightly if necessary. Press the grip upwards to secure the pulldown bed.

Check that the bed is locked in position by trying to pull it downwards!



Cupboards and lockers - opening and closing

To open

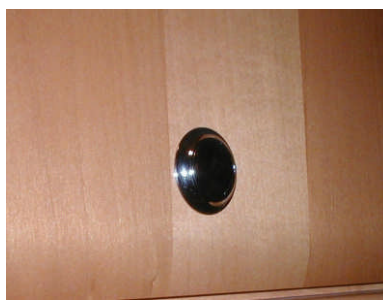
Press the pressure-release knob until it disengages, then pull the knob to open the flap. Opening is aided by a spring mechanism.

To close

Close the flap with the knob, then press the knob inwards until it engages.



Open



Closed

Bench seats

You can open and close the hinged panels of the bench seats in the H-type seating group (standard version) without removing the cushions.

Stowing information: Put light objects in the upper cupboards, heavier items in the lower cupboards and under the bench seats. Heavy and bulky items should be kept in the storage compartments outside.

Sliding door/sliding door to the driver's cab

Slide open or closed until the door latches into the end position. Make sure that the door is latched open or closed and that it is secured by the lock before starting the engine.



Open

Closed

An additional panel is provided for the step leading to the driver's cab to prevent draughts in the living area. Fit the steel pins in the bottom of the panel into the mating holes, guiding the panel into position using the spherical knobs provided for this purpose on either side of the step.



Overcab bed

Ladder for overcab bed

Fit the retaining profile over the front edge of the overcab bed and ensure that it is fitted securely.



Child protection in the overcab bed and in the upper bunk-bed

Slide the fastener into the receptacle until you hear it engage. To release, press the sides of the fitting together and pull out of the receptacle.



Windows

The living area of the motorcaravan is equipped with tinted, double-glazed windows, which substantially reduce the amount of heat lost through the windows. You can slide or tilt the windows open.

Opening/closing the windows

Vent window in the living area:



Opening/closing



Ventilation position

To open, press the release button in the middle of the lock and turn the lock by 90°. Then tilt the window open. The window automatically latches into different opening angles. The fittings on either side must click audibly.

To close the window, open further, then tilt the window back into the closing position.

Never try to force the window past the latching positions as this could damage the mechanism!

Holding the lock, pull the window against the rubber seal, press the release button and close the lock in such a way that both ends of the locking fork are inside the window frame.

Ventilation position

The fork-like construction of the locking mechanism allows the window to be fixed in a "ventilation position" (with one side of the fork inside and one outside the frame). This enables ventilation without any draughts and the window cannot be opened from outside.

Opening and closing the sliding windows

To open, press both ends of the grip together and slide the window open. To close, slide the window shut until it latches into position.

Opening and closing the roller blinds

Roller mosquito nets and sunblinds are fitted on the windows. The sunblind can be raised and lowered separately, whereas the mosquito net can only be used in conjunction with the roller sunblind.

Fixing the roller sunblind

Press the two ends of the horizontal grip together to release, then raise the sunblind to the desired position. Release the grip to fix in place. Once fitted to the roller sunblind, the mosquito net can also be adjusted with it.



Fixing the mosquito net

The roller mosquito net can only be adjusted in conjunction with the blind. Press the grip for the roller net downwards (or the bar on a larger window with retaining clips at the sides) until it engages into the grip for the roller sunblind, pressing against the ends rails again if necessary. You can now raise and lower the roller blind with mosquito net after pressing the ends of the horizontal grips together. The mosquito net and roller sunblind are joined together by two separate retainers on the larger windows (see photograph). To bring together: guide the mosquito net downwards by the end rail and clip into the retainer.

Releasing the roller mosquito net

Press the top and bottom of the link grip together. Guide the roller mosquito net back into its original position by the end rail or grip - do not allow it to snap back! Larger windows: press the lugs of the side retainers towards the middle.

Roof Hatches

To open: push the handle of the locking device inwards on both sides or on one side and push the roof hatch straight upwards or tilt open. To close: pull the handle(s) downwards. Close the roof hatches before starting the engine, or just leave the rear hatch open.



Roof hatch locking device



Roller blind for roof hatch

Roller blind for roof hatch

Grasp the grip for the roller blind. Pull it closed and allow it to latch into the fitting on the other side.

! Caution!

Close the window and roof hatches before starting the engine! If ventilation is required during the journey, the windows may be set to the "ventilation position".



Warning:

Forced ventilation systems are fitted in the roof hatches. If the roller blind is closed, adequate ventilation is assured by the lateral slots in the frame. These must never be closed or obstructed under any circumstances.

Tilting/lifting roof

Follow the procedure outlined below to raise the tilting/lifting roof:

With handles

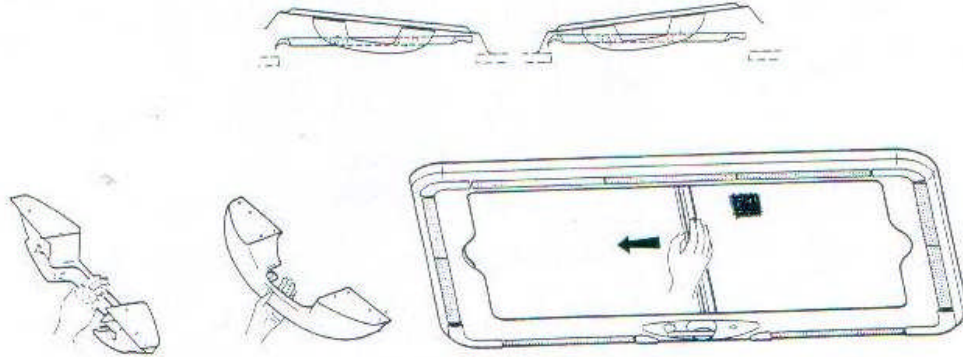
- Take hold of the handles for the lifting mechanism with both hands. Press to release the locking device and push upwards to the desired position.
- The following positions are possible: inclined towards the front/inclined towards the rear/raised straight upward
- To close the roof again, pull the handles downwards until the locking mechanism latches into place

with crank handle

- Unfold the crank handle and turn clockwise until the desired opening angle is achieved. The maximum opening angle amounts to 70 degrees.
- To close the roof, turn the crank handle counter-clockwise until the roof is completely closed and the handle can be folded away again. When the glass has made contact, make two more turns to completely lock the tilting/lifting roof.

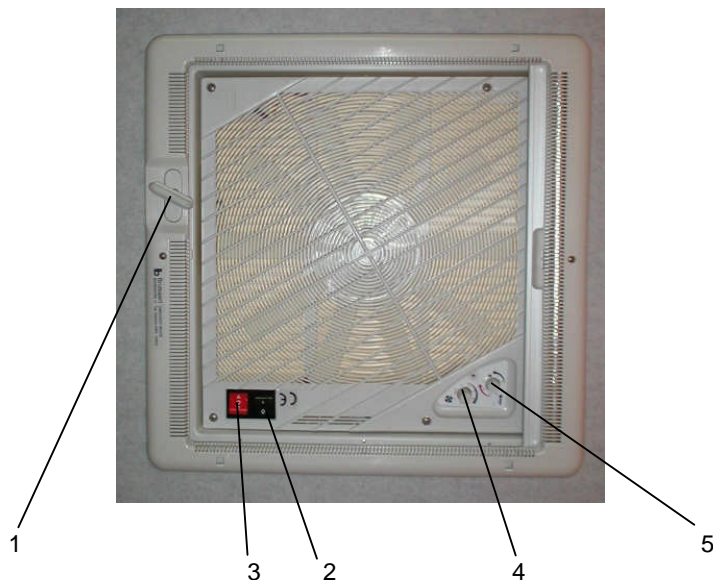
Opening and closing the roller blind on the tilting/lifting roof

Grasp the end bars in the middle. When closing the roller blind, slide the end bar of the blind onto the end bar of the mosquito net and latch into position. To open the roller blind, press the middle bars together (towards the mosquito net) and disengage the end bars. Guide the end bar of the mosquito net back into its original position by hand – do not allow it to snap back.



Note: The roller blind works at its best at room temperature!

Electric roof ventilator



1. Turning knob to raise the roof hatch
2. On/Off switch
3. Aeration/ventilation
4. Stepless speed setting
 - MIN = 3 m³/min (2.5 W / 0.2 A)
 - MAX = 20 m³/min (60 W / 5 A)
5. Thermostat

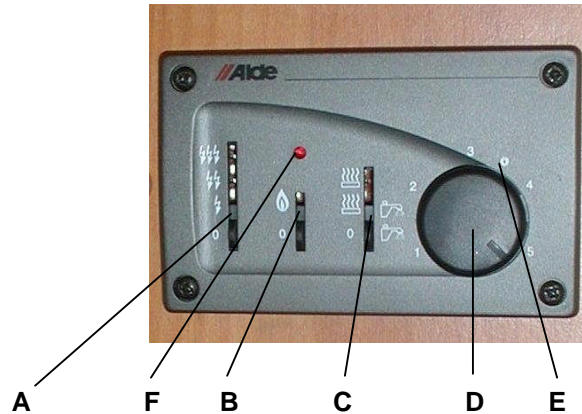
You can set the switching temperature to any value between 15 °C (Position 1) and 65 °C (Position 7). A setting between positions 2 and 3 roughly corresponds to a temperature between 25 °C and 30 °C. The fan continues to run until the preselected temperature has been reached and then switches off automatically (the on-off switch must have been turned on).

If you wish to use the fan without thermostat and the ambient temperature is less than 15 °C, the thermostat switch must be set to 0.

Combined heating/hot-water boiler system

The Alde 3000 dual-purpose unit fitted into the bottom section of the wardrobe is used to heat the living area and provide hot water. Running on propane, the unit is capable of 5200 W maximum output and the boiler has a capacity of 8.5 litres. It is controlled from the control unit located in the kitchen area. Remove any traces of dirt, snow or ice from the flue duct / combustion air inlet before switching on in order to prevent increased levels of carbon monoxide in the outgoing air.

Control unit



A. A: Slide switch for electric mode

- (only functional if the vehicle is hooked up to an external power supply)
- System off in the "0" position. Slide the switch upwards to turn the unit on in electric mode in stages between 1050 W and 2100 W.

B. Slide switch for gas mode.

- System off in the "0" position. System on in the "flame" position.

C. Slide switch for the heating circulation pump

- System off in the "0" position. System on with thermostatic control in the middle position and continuously on in the top position.


D. Rotary regulator for temperature selection

E. The control range is between 5 °C and 30 °C. Set to "E", the set temperature amounts to around 22 °C.

F. Fault indicator (in gas mode)

Starting up (in gas mode)

Preparation

- The gas system and water system (if hot water is required) must be ready for service (refer to Pages 15 and 18 for details).
- Open the cut-off valve for the heating system -  symbol - on the gas distribution block.
- Press the "On" button (1) and heating button (11) on the control panel.

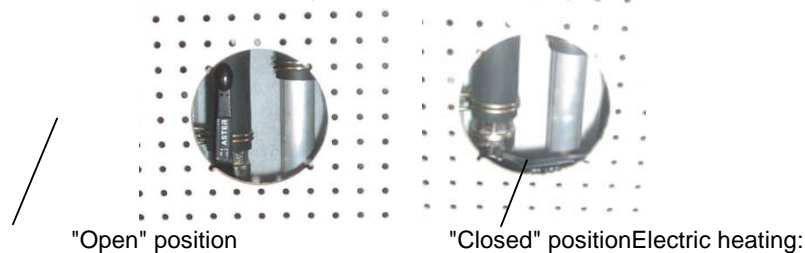
Heating with simultaneous hot water preparation (gas mode)

- Move the slide switch for gas mode (B) to the "flame" position.
- Move the slide switch for the heating circulation pump to the middle position.
- Adjust rotary regulator "D" to the required room temperature. We recommend position "E".

When the ambient temperature reaches the set value, the circulation pump and the heating system switch off automatically and come on again if the temperature drops below the set value again. If there is water in the boiler (refer to the description of the water system), it is also heated automatically.

Hot water preparation without heating (gas mode)

- Move the slide switch for gas mode (B) to the "flame" position.
- Move the slide switch for the heating circulation pump (C) to the bottom position (0).
- There is a shut-off lever in the wardrobe, which allows you interrupt the heating circuit. This may be necessary if you are using the hot-water system without heating as natural convection causes water to circulate through the heating system even if the heating circulation pump is not running. If this gives rise to uncomfortable warmth in the vehicle, you can interrupt the heating circuit with this shut-off valve.



The vehicle must be hooked up to the external power supply in order to run the heating system using the built-in electrical unit (refer to Page 3).

- Move the slide switch for electric mode (A) to the desired power setting.
- Move the slide switch for the heating circulation pump to the middle position.
- Adjust rotary regulator "D" to the required room temperature.

If there is water in the boiler, it is also heated automatically.

Hot water preparation without heating (electric mode):

- Move the slide switch for electric mode (A) to the first setting.
- Move the slide switch for the heating circulation pump (C) to the bottom position (0).

Red "Fault" lamp (F):

Indicates a fault in the heating system when operating in gas mode. To restart the heating system, move the slide switch for gas mode to "0", wait for 30 seconds and then try to start the system again (moving the slide switch for gas mode to the "flame" setting).

Note:

Please refer to the operating instructions issued by Alde, the manufacturer of the heating system, for details of other facilities offered by the heating/hot water system, information on venting and maintaining the heating system, and troubleshooting tips.


Warning:

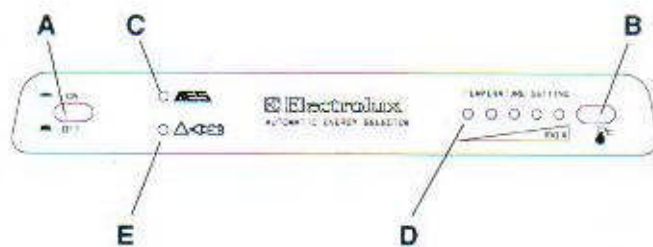
The heating/boiler system must not be operated in gas mode at filling stations or in the garage!

Refrigerator

The absorption-type refrigerator (type RM 4505) is equipped with an automatic energy selection system (AES) which controls operation and the energy supply. When the refrigerator is switched on, AES automatically selects the most suitable of the available energy sources in the following order of priority: 230 V / 12 V / LPG. There is no need for manual intervention in the choice of energy source.

Operation

- Press the "On" button on the control panel.
- Open the gas cut-off valve for the refrigerator,  symbol.
- Turn the refrigerator master switch (A) on.
- The AES pilot lamp (C) lights up green.
- The refrigerator is ready for use.
- Use the pushbutton (B) to set the required temperature.



Door lock

The refrigerator is equipped with two door locking facilities. Please check that both doors are firmly locked before starting the engine.

Note:

When the engine is switched off, the system switches over from 12 V mode to gas mode after 15 minutes. This delay prevents the system being switched over unintentionally while filling up with fuel. If you stop at a service station for longer than 15 minutes, switch the refrigerator off at the master switch (A)! Please refer to the instructions issued by Electrolux for more detailed information.

Gas cooker

Always ensure adequate ventilation by opening a window or roof hatch when using the gas cooker!

Operation

- Lift the glass cover upright.
- Open the gas cut-off valve for the cooker.
- Turn the knob for the burner that you wish to use from the zero position to a low setting (small flame symbol next to burner symbol), press it in and keep it pressed in.
- Press the switch for the timed spark generator and keep it pressed until the burner ignites.
- Keep the rotary knob pressed for a few seconds after ignition until the safety pilot responds, then release the knob.
- If the flame goes out, repeat the procedure.
- You can now adjust the size of flame to suit your requirements.



Warning!

- ♦ Always ignite the burner without any pots or pans on the hob.

To extinguish the flame

Turn the knob to the “” symbol for the respective burner. Close the gas cut-off valve for the cooker.

If the flame goes out by itself (because of a draught), the built-in safety pilot cuts the gas supply off after one minute at the most. This is heard as an audible clicking noise.

The right way to use the gas cooker

Always make sure that the saucepan or frying pan is centrally positioned on the pan support and that the flame does not shoot out beyond the bottom of the pan. Only use flat-bottomed pans.



Safety information!

- ♦ Ensure adequate ventilation by opening a window or roof hatch when using the gas cooker!
- ♦ Do not use the gas cooker for heating purposes!
- ♦ Never turn on the cooker without raising the cover!
- ♦ Keep flammable materials, such as oil, grease, towels and paper, well away from the burners!
- ♦ When a burner is on, never leave the cooker unattended!
- ♦ If the flame does not burn properly, turn the burner off immediately and have the cooker checked!
- ♦ We recommend that you carry a fire extinguisher on board.
- ♦ Make sure that the knobs return to their original positions automatically. This indicates that the safety pilot is active.
- ♦ Make sure that the safety pilot switches off with a click after the flame has gone out. **If this is not the case, have the cooker checked by a qualified specialist!**
- ♦ Never close or obstruct the holes next to the knobs for the burners as they ensure that air is supplied to the burners.
- ♦ If the hob burner flame burns yellow, flutters or burns unevenly, turn the burner off immediately and have the appliance checked by a specialist.

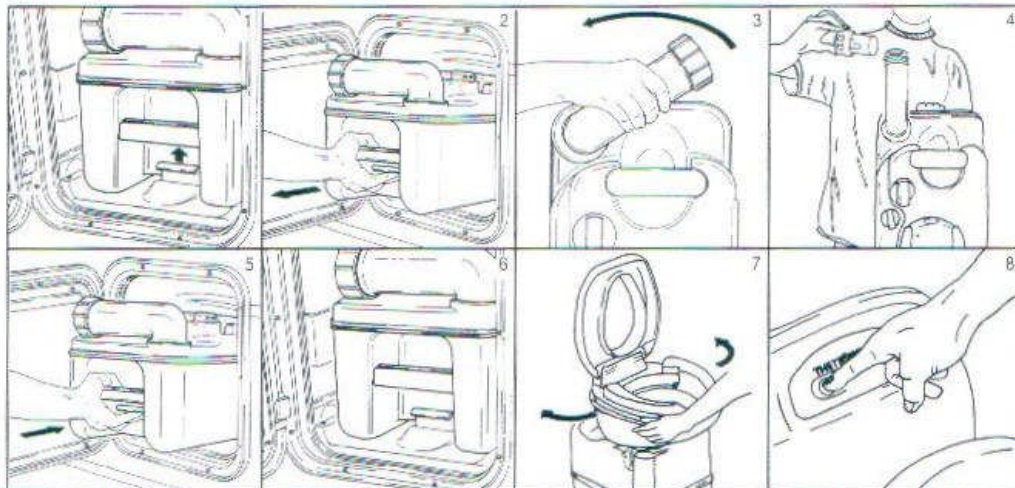
Toilet

Using for the first time

- Turn the water and electrical systems on as described in the relevant instructions.
- **The following instructions do not apply if an SOG toilet system is fitted.**
- To open the outside toilet door, turn the key to the left and press the button.
- Lift the yellow locking bar and pull the tank outwards. If the tank is impeded by the stop, tilt the front downwards slightly and then lift out (Figures 1 + 2).
- **Note:** You will only be able to remove the tank if the slide gate is closed (refer to Operation)!
- Turn the tank upright and swivel the evacuation outlet upwards (Figure 3).
- Remove the cap, take sanitary fluid out of the storage compartment. Pour the specified amount of fluid into the tank via the outlet. Then add sufficient water to cover the bottom of the tank (Figure 4).
- Replace the cap and swivel the evacuation outlet back to its original position.
- Replace the tank with the evacuation outlet pointing outwards. Pull on the tank to make sure that it has slotted into place properly (Figure 5).
- **Note:** The slide gate must be closed when placing the tank in the compartment!
- Close and lock the door.
- The toilet is ready for use.

Note:

Never use force when moving the tank in and out of the compartment. If you encounter problems, these are usually due to the slide gate not being closed.



Operation

- You can turn the toilet pan to a position that is comfortable for you, if you wish (Figure 7).
- Press the flush button to flush the toilet (Figure 8).
- Flushing continues for as long as the button is pressed.
- Move the closing lever to open the slide gate to the waste tank (Figure 9).
- Use the same lever to close the slide gate after flushing.
- It is advisable to keep the slide gate open when the toilet is in use.

Emptying the tank

The capacity of the waste tank amounts to 17 litres and it must be emptied when the level indicator lights up, i.e. when it contains more than 15 litres. When the light comes on, there is room for another 2 litres in the tank, which allows you to use the toilet around 5 times.

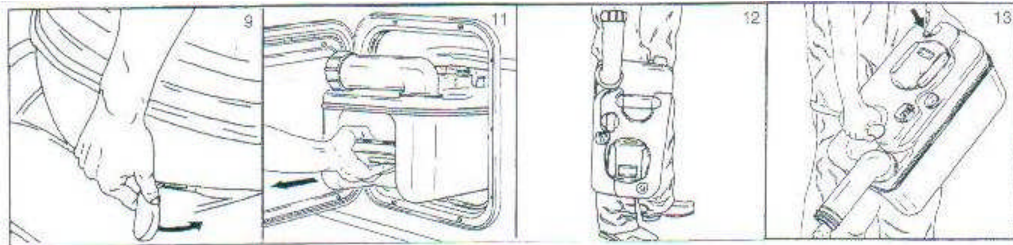
Note:

Do not allow the tank to become too full. If necessary, refer to the section on emergency emptying in the operating instructions issued by Thetford supplied with the unit.

1. Open the outside door, lift the yellow locking bar and pull the tank outwards. If the tank is impeded by the stop, tilt the front downwards slightly and then lift out with both hands (Figure 11). **Note: You will only be able to lift the tank out if the slide gate is completely closed.**
2. Carry the tank to a suitable place for emptying, e.g. a disposal station (refer to the service map supplied with the unit) or a household toilet. Never empty the tank into an open drain or in the countryside!
3. Put the tank on the ground upright and swivel the evacuation outlet upwards. Remove the cap.
4. Holding the upper grip with one hand, lift the tank with the other hand on the grip at the back. Press the vent valve next to the rear grip and keep it pressed while emptying the tank (Figure 13).
5. Rinse the tank and slide gate out thoroughly.
6. Pour fluid into the tank and add water again as described above and replace the unit.

Note:

Use the smallest possible quantities of sanitary fluid to reduce the environmental impact to a minimum.



Rear ladder for coachbuilt models (option for "A" class)

You can use the rear ladder to climb up onto the roof of the living area, to clean or load it. Although you can walk on the roof, the load should be spread evenly and not concentrated on just a few points as this could give rise to dents in the surface. You should therefore wear soft-soled shoes when walking on the roof and make sure that there are no stones or dirt in the soles of your shoes or on the roof which could damage the paintwork. Never drag things over the roof as these could cause scratches.

Roof rails

The roof rails are particularly suitable for securing bulky items, such as surfboards, boat components, etc. These items must be firmly bound and secured in accordance with the manufacturer's instructions, using special straps and retainers if necessary.

The driver is responsible for ensuring that goods are secured safely.

The crossbars can be adjusted to the required width by undoing the Allen screws and tightening them again.



Safety information!

Exercise extreme caution when climbing up the ladder and walking on the roof! For your own safety, wear shoes with soft, well-gripping soles and avoid walking upright where possible. Do not climb up onto the roof when it is raining, during a thunderstorm or at temperatures below freezing point (ice). Never allow children to climb onto the roof.



Safety information!

Do not load the roof with more than 80 kg in weight or this could detrimentally affect the balance of the vehicle and shift the centre of gravity. A heavier load can drastically alter driving performance. When items are loaded on the roof, do not move off or brake suddenly and avoid fast cornering.

Rear garage

Bicycles or a motor scooter can be secured in the rear garage, using suitable fixings. Push bikes into the rail and secure with shackles and/or straps.

Lashing eyelets in the rear garage

You can adjust the positions of the lashing eyelets in the rails on the floor of the garage and use them to secure the load. It is a good idea to use tensioning straps.

Warning!

Make sure that the load is secured safely! Do not use the lashing eyelets to secure a load weighing more than 20 kg.



Solar-electric system (option)

The solar-electric system works automatically. When the solar-electric system is in operation, this is indicated by symbol 24 lighting up on the control panel. The charge regulator near the battery indicates its operating status.

- ◆ **Red LED:** Batteries are flat
- ◆ **Yellow LED:** Charging batteries
- ◆ **Green LED:** Batteries fully charged

Note: Do not walk on the solar panels! Remove dirt particles from the panels from time to time.

External gas connection (option)

The external gas connection is used to supply gas appliances outside, e.g. barbecues.

Using for the first time:

- Check that the appliance has been designed for the gas pressure of the **Concorde** gas system (30 mbar).
- The gas system must be put into operation in accordance with the instructions (refer to the description on Page 15).
- Remove the protective cap from the connector.
- Fit the coupling from the appliance onto the connector (quick-action coupling).
- Open the cut-off valve (in line with gas line: open, across the gas line: closed).
- A safety valve prevents gas escaping when the cut-off valve is open, but not at the connected appliance.



Safety information!

The external gas connection is only intended to supply gas. Never try to feed gas into the system! Explosion hazard!

Outside shower (option)

Using for the first time:

- The water system must be ready for use as described above.
- If you wish to shower with hot water, you will need to turn on the combined heating/boiler system.
- Open the outside flap and fit the hose connection.
- Open the tap on the shower head.
- Adjust the water temperature with the rotary regulator if necessary.

Outside awning (option)

Use the handle provided for this purpose to extend and retract the outside awning.

To extend

- Fit the handle into the fitting on the casing.
- Turn clockwise until the awning runs out (audible clicking noise).
- Make sure that the awning is extended evenly over its entire length. If this is not the case, run the awning back in again and repeat the procedure.
- Extend the awning by around 1 m. You will find the supports in the casing.
- Press towards the outside of the awning at the base against the pressure of the spring, open out and prop the awning up. You can now extend the awning completely.
- The supports can be propped against the ground.
- Adjust the supports to the required height - fold the lever upwards.
- You can use the pegs supplied with the awning to secure the supports.
- Remove the handle and stow away. Fit cloth tensioning rod 1-2 according to length.

To retract

- The awning should be retracted in a clean, dry state.
- Fit the handle into the fitting on the casing and turn counter-clockwise to retract the awning until 1 m remains.
- Fold the lock lever of each support inwards.
- Flatten the end piece of the support. Push the inner tube in slightly and place the support inside the casing. Proceed in the same way for the other support.
- The awning must roll onto the drum from below!
- Retract the awning completely until it is locked in position on both sides.



Safety information!

Retract the awning in high wind! Use the supplementary support if the awning measures 4 m or longer!

Alarm system (option)

Please refer to the separate instructions provided with the system.

Gas oven (option)

Using for the first time

The gas system must have been put into service in accordance with the instructions.

1. Open the gas cut-off valve on the distribution block. Open the oven door as far as it will go.
2. Press the knob and turn to the left. The oven will ignite automatically. Keep the knob pressed for around 15 seconds until the safety pilot has warmed up, then adjust the burner to the required setting according to the symbol on the button.
3. The temperature scale indicates the temperature in the oven. The pushbutton turns the oven light on and off.

Switching off

Turn the knob to "OFF". Close the gas cut-off valve.

Engine heat exchanger (option)

The engine heat exchanger can be used in two ways.

Using the hot-water heating system to preheat the engine:

- Open the engine heat exchanger shut-off valve.
- Switch on the heating system in accordance with the instructions (refer to the instructions for the hot-water heating system on Page 39).
- Switch on the engine heat exchanger pump (the switch is located under the control unit for the kitchen).
- When the cooling water for the engine has heated up to an adequate extent, switch the pump and heating system off and close the shut-off valve where applicable.

Using the warmth produced by the engine to heat the living area while driving:

- Open the engine heat exchanger shut-off valve.
- Press the "On" button and the pushbutton for the heating system on the control panel.
- Switch on the heating circulation pump with the setting in the middle position.
- Set the desired room temperature with rotary regulator D on the panel for the heating system (recommended setting: "E").

Note:

The achievable room temperature is essentially determined by the heat produced by the engine. If this is not sufficient to provide comfortable heating of the living area, switch the gas heater for the hot-water heating system on as well (refer to operation of the hot-water heating system on Page 39).

Engine heat exchanger shut-off valve:

This is situated in the underfloor luggage compartment of a coachbuilt model, and to the left of the driver's seat in an "A" class model.

It is used to interrupt the water circuit between the engine and the living area.

If neither of the above-mentioned options is required, adjust the lever so that it is perpendicular to the line in order to shut off the circulation to the engine heat exchanger.



Switch for the heat exchanger pump



Shut-off valve

Telescopic TV mounting (option)

Press the release button to lock or unlock the telescopic mounting. Once extended, the TV can be rotated to any position. After pressing in, make sure that it is locked properly!



Linnepe AQUAFIT Water filter (option)

General advice

The water filter encloses by delivery a compact filter cartridge, 1 m tube, all necessary union joints, a water tap and a wall unit.

Following operating instructions for installation refer to a water filter with water tap and wall unit. For other models, these operating instructions should be considered in the general sense.

The water filter system may not be used with warm water. It should not be exposed to minus temperatures (danger of damage caused by water, please see point 7).

In case of improper installation, warranty can not be granted for any damage.

Installation

Please don't forget to switch off the water or the water pump before installing the filter system.

See separate installation notes.

After installation switch on the water, open the additional small tap, switch on the pump and let water flow about 5 minutes. The water flowing may be a little turbid, until there is no more air in the cartridge.

The water filter is now operative.

Operating life

- Depending on the quality of the water, the filter cartridge may be used to filter about 8,000 l fresh water.
- The cartridge must be replaced in any case after two years irrespective of useage.
- You may have to replace the cartridge earlier if the water does not flow normally. It does not mean, that the cartridge is defect but only that the filtered water contains a great quantity of particles.

Replacement of the filter cartridge

- Switch off the pump and open the small tap to equalize pressure in the water filter. Screw off the bottom to open the water filter housing. Take a receptacle to collect the rest of water tripping whilst replacing.
- Remove the filter cup first and the filter cartridge. You may dispose of the cartridge in the normal waste disposal.
- Whilst inserting the new cartridge, be careful, the 8 mm flat packing must be at the bottom and be seated in the ring of the cup. Push the cartridge until it stops in the top part of the housing. Screw the cup back on the top of the housing. Please take hygienic precautions handling with the filter cartridge to avoid contamination of the flat face.
- Check again if all parts are connected.
- Open the additional small tap (valve rocker showing up)
- Check if the system may have a leak
- Switch on the pump and let water flow about 5 minutes. The water flowing may be a little turbid, until there is no more air in the cartridge.
- The water filter is now operative.

Maintenance

- This system generally does not need any maintenance. You just have to respect the maximal operating life of the cartridge and the necessary replacement of the cartridge (see above 3. and 4.)
- Keep your fittings clean, it is one of the conditions to get hygienic fresh water. Clean the tap regularly.
- During the first operation days, regularly check the tightness of the water filter and control if the cover of the housing is well screwed. Open the additional tap to relieve from pressure before retightening.

Problem solving and operating advice

- In the case the water filter was out of use for a certain period, let flow the first 10 litres of water.
- If the system is unable to filter more than 4 litres water per hour, there may be by a problem of water pressure, an improper installation or damage during the transport. Please contact your dealer.
- If you have replaced the cartridge and no water flows, maybe you have put the cartridge on the wrong side into the housing. Please repeat the steps of point 4. above and change the direction of the cartridge.
- After any damages or problems had occurred, control the tightness of the water filter system.

Regular checks and measures of precaution

- Please regularly control the water filter system and all connections to detect any leak, especially before the system is being put into operation for the first time.
- Make sure that the water filter system will never be exposed to frost (damages caused by frost would result).
- If you cannot avoid it, open the housing of the water filter (as described above) and remove the cartridge. Store it in a dry and warm place.
- Before putting again the system into operation, insert the cartridge as described above.

Water System Disinfectant

Instructions to disinfect the water system of motorhomes and boats with Linnepe disinfectant (art. N° 73016)



Safety information!

Use the disinfectant outside only!

If you get in contact with the disinfectant, wash out your skin with a lot of water.

In case it gets in contact with the eyes, flush out with a lot of water and go to the doctor

(The disinfectant is composed of Liq natrii hypochlorosi 12, 5 %)

- Thoroughly clean, flush and empty the water tank. If a water boiler is fitted, drain it.
- The disinfectant should be poured directly into the empty water tank or through the tube that you normally use to fill the tank. It is not recommended to pour the disinfectant into a full water tank, as the mixing with the water is too slow.
- After this, fill the tank with about 50-70 litres water. The bottle of disinfectant must completely have reached the tank.
- Now you can switch on the water pump and open all possible taps one after the other. For each tap, let flow water until it smells of chlorine (after about 5 litres).
- IMPORTANT: Repeat this step for each tap separately. First let flow cold, then warm water (Do not forget the shower head!).
- Close all taps and let the disinfectant react for about 4-5 hours or overnight.
- After this, open all taps and drain the tank, the tubes and the water boiler.
- After this, the water system is disinfected and you may operate with the Linnepe AquaFit water filter system as described in the following.
- After having fitted with the filter, fill the water system again and let flow water for about 5 minutes.

Contacts

If you have so more questions about the product, please contact us:

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 Phone: 0049 2333 / 98 59 0, fax: 0049 2333 / 98 59 30
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 www. A-Linnepe.de

On the road with your Concorde - driving and leisure information

Enjoy your freedom and the independent, comfortable world of travelling offered by your **Concorde**. There's so much to see and do, experiences to be shared with family or friends, appreciating the beautiful cities, towns and countryside throughout Europe and meeting new people.

If you keep to the following guidelines, your journeys will always be a source of pleasure and enjoyment for you.

Preparing for a journey

The driver is always responsible for ensuring that his vehicle is roadworthy.

Please pay attention to the following:

Loading

- Never exceed the gross vehicle weight rating (given in the vehicle documents) under any circumstances; if in doubt, have the vehicle weighed. Allow for the items of equipment on board, the driver and passengers and all items of luggage.
- Do not exceed the permitted axle weights (given in the vehicle documents); have the vehicle weighed, if necessary.
- Distribute the loads evenly, do not overload individual hatches or storage compartments.
- Make sure that the weight is balanced out on the left and right-hand sides of the vehicle.
- Stow heavy and/or bulky items in the outside compartments (e.g. camping furniture, fishing rods, skis, barbecue, leisure equipment, crates of bottles, tins etc.)
- Keep pots and pans in the kitchen area and use plastic tableware where possible to reduce the overall weight.
- Store light foodstuffs and tableware in the upper kitchen cupboard. Keep linen and clothing in the wardrobe and in the upper cupboards.
- Make sure that all items are loaded in such a way as to prevent them sliding around.
- Items loaded onto the roof (e.g. surfboards) must be secured particularly carefully.
- Comply with the safety instructions when walking on the roof (Page 44).
- Never load more than 80 kg onto the roof to prevent unfavourable shifting of the centre of gravity.
- Check that bicycles or a motorcycle are/is firmly secured to the cycle/motor cycle carrier (option).

Short pre-travel checklist

Fuel

- Is the tank full of fuel?
- When filling up, always check that you are using the right type of fuel (diesel/petrol) and the right filler hole. Do not confuse the diesel tank with the fresh water tank! Never let anyone fill your fuel tank without supervision.

Fluid Levels

- Have you checked the oil level, the brake fluid level and the water level in the windscreen wash/wipe system, the condition of your tyres, the tyre pressure, and ensured that the wheel nuts are tightened properly?
- Particularly important: the correct tyre pressure (check cold every 14 days and prior to every longer journey and do not exceed the permitted axle loads).

The tyres should be replaced after a maximum of 6 years , irrespective of the tread depth!

The correct tyre inflation pressure when tyres are cold in bar:

Fiat 2-axle , 215 / 75 R 16 C:	front: 5.5	rear: 5.5
Fiat 3-axle , 215 / 75 R 16 C:	front: 5.5	rear: 3.5
MB 313 , 225 / 70 R 15 C:	front: 2.75	rear: 4.5
MB 413 / 416 , 195 / 70 R 15 C:	front: 4.5	rear: 4.5
MB 413 / 416 , 205 / 70 R 15 C:	front: 4.2	rear: 4.2
MB 413 / 416 , 215 / 70 R 15 C:	front: 5.0	rear: 5.0
MB 413 / 416 , ("A" class only, set C) 255 / 60 R 15 C:	front: 3.0-3.5	
	215 / 70 R 15 C:	rear: 5.0
MB 416 , 225 / 65 R 16 C:	front: 3.5-4.0	rear: 4.5
MB 616 , 205 / 75 R 16 C:	front: 4.8	rear: 5.3
MB 616 , 215 / 75 R 16 C:	front: 4.2	rear: 4.8
Iveco 40 C 13 , 195 / 75 R 16 C:	front: 4.75	rear: 4.75
Iveco 50 C 13 , 195 / 75 R 16 C:	front: 4.75	rear: 4.75
Iveco 60 C 15 , 225 / 75 R 16 C:	front: 4.5	rear: 4.75
Iveco 65 C 15 , 225 / 75 R 16 C:	front: 4.5	rear: 4.75
MAN , 235 / 75 R 17.5:	front: 6.25	rear: 5.53

Other Issues

- Is there a spare fan belt on board and have the jack and four-way spanner been stowed away?
- Is there a supply of spare fuses on board for vehicle and living area?
- Is there a supply of spare lamps on board for vehicle and living area?
- Is the gas system ready for use (refer to Page 15) and have the gas bottles been filled?
- Is the water system ready for use– (refer to Page 18)? To save weight and fuel, we recommend that you only fill the fresh water tank as much as necessary on long journeys. 100 l of water not carried on board can save you up to a litre of fuel for every 100 km!
- Has the refrigerator been pre-cooled– (refer to Page 40)?
- Are the batteries fully charged? - To check, press pushbutton 3 on the control panel. We recommend that you recharge the leisure battery over a period of 24 hours via the external power supply before setting off on a journey. The leisure battery should also be recharged over the same period at the end of the journey.
- Is the toilet ready for use– (refer to Page 42)?
- Is there spare sanitary fluid on board?
- Is there a water hose on board with a range of different adapters?
- Is there a used water hose on board?
- Is the CEE external cable with connectors on board? Is the cable drum on board?
- Have the camping table and chairs been stowed away for sitting outside?
- Have you got the vehicle documents, driving licence, passport or ID card, green insurance card?
- Is the warning triangle, first-aid kit, tool kit, torch on board?
- Are the necessary maps, camping guides and **Concorde** owner's manual on board?
- Have you put the spare key in a safe place?

We recommend that you carry an approved dry-chemical fire extinguisher or one that complies with the requirements of ISO 7165 with at least 1 kg capacity. This should be positioned near the door to the living area. A fire blanket should be fitted near the cooker.

Before starting off

Before starting off, please check the following:

Outside

- All exterior flaps and hatches are closed.
- The gas bottles are safely secured in the gas bottle compartment.
- All additional connectors or adapters have been removed or screwed in.
- The exterior power supply connector has been unplugged and the flap for the input connector is closed.
- The used water drain hose has been disconnected and removed.
- Such items as surfboards or bicycles have been secured safely.
- The stop cocks for the used water and fresh water tanks are closed.
- That you have left nothing behind - don't forget to look under the vehicle as well.
- The electric step has been retracted and the outside light has been switched off.

Inside

- All rotatable seats have been turned to the direction for driving and are locked in place.
- The pulldown bed has been locked in place and secured, where applicable.
- All loose items are safely stowed away.
- All doors, windows and roof hatches are closed.
- The door to the living area is locked on the inside.
- The gas cooker has been turned off.
- The TV antenna has been retracted where applicable.
- All cupboard and hatch doors and flaps are closed and locked (pressure-release buttons pushed in).
- All objects in the bathroom have been stowed away, all cupboards and hatches are closed, the slide gate on The toilet and the door to the shower cubicle are closed.
- The gas cut-off valves for all unused items of equipment are closed on the gas bottles, as well as the main on-off valve if the heating system is not being used.
- The refrigerator is secured with the door locks.
- The brace securing the elevating table to the floor is tightly fastened.
- The sliding door(s) is/are secured in an end position with the security lock.
- The outside rear view mirrors are adjusted properly.
- The headlights, rear lights, direction indicator lights and brake lights have been checked.
- All of the people in the vehicle are sitting in their seats and have fastened their seat belts. The seats in the driver's cab and the middle seating group at the front are the only seats which may be occupied!
- Turn the heating off when stopping to refuel.

Read the section on "Winter operation" before taking the motorcaravan on a journey during the cold, winter months. After starting off, you should always check that the brakes are working properly while travelling at slow speed.

The living area is ventilated through the closed roof hatches while driving. If more ventilation is required, the roof hatches may be opened no more than halfway and the windows opened to the ventilation position (refer to the section on window operation).

Driving

You will find that driving your **Concorde** is quite different from driving a normal car. This is because it is much larger and heavier, there is a much larger surface exposed to the wind and the centre of gravity is higher. Never exceed the weights permitted for the vehicle as a whole or the individual axles, as overloading detrimentally affects the handling of the vehicle. If you have not had any experience driving a motorcaravan, we recommend that you start off with a short test run to familiarise yourself with the vehicle's handling and the facilities in the living area before setting off on a longer journey.

The dimensions of your **Concorde**:

- ◆ **Length:** 6.5 to 8.5 m according to model
- ◆ **Width:** approx. 2.5 m
- ◆ **Height:** approx. 3.5 m

Bear in mind that the height will increase depending on the size of any items of luggage or equipment loaded onto the roof!

Exercise particular caution in the following situations:

driving into covered filling stations, through gates, under bridges and arches underpasses, under branches hanging over the road, etc.



Safety information!

Always ask someone to stand behind you and direct you when reversing. You might not be able to see children playing, for example, in the rear view mirrors!

Because of the large side walls, the vehicle is much more sensitive to cross-wind than a car. Be particularly careful when overtaking trucks, travelling over bridges, leaving tunnels and on the open road in high winds. Reduce speed when approaching any potentially dangerous situations.

If you encounter any problems with cross-wind, countersteer gently without jerking on the wheel or oversteering, and reduce your speed.

Adjust the outside rear view mirrors carefully before setting off. Get used to using the outside rear mirrors on both sides. You can also check the vehicle's distance from the kerb or crash barriers etc. in the right-hand mirror.

Your **Concorde** is substantially heavier than your car. Please bear this in mind when overtaking and braking - both of these manoeuvres take longer than you are used to! If in doubt, never overtake! Under certain circumstances, long descents, e.g. mountain passes, may cause the brakes to overheat, so take a break where parking space is available and change into a lower gear to support braking. Never allow the vehicle to travel too fast, particularly on mountain roads.

Be particularly careful when turning round or reversing! Wherever possible, keep to well-built motorways and main roads at night.

When driving along narrow lanes, make sure that the bodywork and windows are not scratched by branches hanging across the road.

If your motorcaravan is equipped with a turbo-diesel engine, allow it to idle for 1 - 2 minutes before turning it off in order to reduce the temperature and rpm of the turbocharger. Please also bear this mind when parking en route!

Your motorcaravan has been designed for a top speed of 120 km/h (75 mph).

Do not drive at full throttle until the engine has warmed up to operating temperature. Changing up early can save fuel. Avoid driving at top speed.

The maximum permitted speed for vehicles with a gross vehicle weight of more than 3.5 metric tons outside built-up areas is 80 km/h (50 mph).

Drive carefully, defensively, with consideration for others and look ahead.

TAKE YOUR TIME - YOU'RE ON HOLIDAY!

Parking and overnight stays

Motorcaravans may stop and park on public roads wherever this is not expressly prohibited by the traffic legislation or traffic signs in the country of use.

Where parking areas are designated as such, motorcaravans and mobile homes may also park there as long as there are no additional signs to the contrary.

Once parked, the equipment in the living area may be used. The awning must not be extended and tables and chairs must not be used outside the vehicle when parked in areas covered by the public road traffic rules.

In Germany, overnight stays are also permitted wherever parking is allowed. According to current legislation, the driver is allowed to spend one night to restore his driving ability. Several overnight stays in any one place are not permitted, however. Exceptions to this ruling are indicated by special signs which prohibit overnight stays or permit several overnight stays in succession.

The motorcaravan service map of Germany issued by the German Recreational Vehicle Manufacturers Association (VDWH) and promobil, which is included among the documents supplied with your motorcaravan, contains details of numerous sites and locations which welcome mobile homes and motorcaravans.

Although it really goes without saying, we would still like to draw your attention to one particular matter of conduct: only people who behave like guests can expect to be treated as such. This also means disposing of your rubbish properly and not leaving it littering public parking areas, of course, and only emptying waste water and the toilet at the designated places. Anyone not adhering to these rules of common sense will not only be liable to prosecution but will also responsible for future restrictions or prohibitions on free overnight parking places. If you see fellow motorcaravan users flouting these rules, then you should draw their attention to their misconduct in the interests of all other mobile home drivers.

Tips on parking and overnight stays

- Find a place to spend the night while it is still light.
- Keep to tarred or paved roads.
- Use the roller blinds.
- Park the vehicle on level ground, where possible, facing the direction of onward travel.
- Make sure that all doors, including the doors to the driver's cab, windows and outside hatches and flaps are closed properly.

Possible "free" overnight sites

- Car parks.
- Parking areas in front of indoor swimming pools.
- Large parking areas in towns and cities.
- Car parks belonging to sports fields or complexes.
- School car parks.
- Roads and car parks in the suburbs.
- Cemetery car parks.
- Outside pubs or restaurants (ask the owner for permission and eat there in the evening).
- Outside shopping centres and factories (Sundays only).
- Car parks for hiking or rambling trails.
- Car parks near public barbecue facilities.

The most suitable places for overnight stays are camp sites so, of course, it is always a good idea to have a camping guide with you.

The following precautionary measures have proved effective in preventing theft:

- Always activate the alarm system, if fitted, when leaving the vehicle unattended.
- Close the roller blinds and the curtain behind the driver's cab when the vehicle is parked.
- Park in well frequented areas.
- Whenever possible, always carry your vehicle documents, money and valuables with you.

Living area

Your **Concorde** has been designed for use without being connected to any external facilities. When stationary, run on gas supplied by the two 11 kg gas bottles. Water is supplied from the fresh water tank and used water is collected in the used water tank. It goes without saying that the stocks of both forms of energy and water are limited when the vehicle is operating independently, so save energy and water wherever possible.

- Use lights sparingly, turn off any lights which are not needed.
- Turn the heating system down when you leave the vehicle and turn off all other items of equipment (turn the main switch on the control panel off).
- Use water sparingly.

Check the charging state of the battery at regular intervals (refer to the description of the control panel) and make sure that the battery voltage does not drop below 12 V. If necessary, connect the vehicle up to the external mains power supply (refer to "Hooking up to the external power supply" on Page 3).

When the vehicle is stationary, the leisure battery is automatically isolated from the vehicle battery, so the vehicle battery cannot be discharged.

The batteries are recharged automatically when the vehicle is hooked up to the external power supply - please refer to the information contained in the section on the electrical system. However, if all items of equipment are used at the same time, they use more electricity than can be recharged during the same period, so please turn off any devices which are not required, even if the vehicle is connected up to the external power supply.

Check the levels in the fresh water and used water tanks on the control panel at regular intervals.

When the used water tank is full - as indicated on the control panel and by the flashing symbol (21) when the tank is filled up to approx. 85 % - it must be emptied (refer to the information of Page 19).

When the service gas bottle is empty, the Triomatic system switches over to the reserve bottle automatically - as indicated by the symbol (19) lighting up on the control panel. You should then have the empty bottle refilled and can connect it up again (refer to the information on using the gas system for the first time on Page 15).

A few average consumption figures for the gas system:	Cooker:	250 g/h
	Heating/boiler:	350 g/h
	Refrigerator:	30 g/h

Proper ventilation is the best way to create a comfortable atmosphere in the living area.

Forced ventilation systems are fitted in the roof hatches of your *Concorde*. These must never be closed or obstructed under any circumstances or there is a risk of suffocation.

Water vapour is released when cooking and by wet clothing etc. Apart from this, we all excrete moisture with each breath. It may therefore be necessary to open the windows and roof hatches for extra ventilation according to the relative humidity. Any condensation is also dried out by the heating system. Check that there is sufficient fresh water and used water capacity in the tanks before using the shower. There is a rail for drying wet clothing in the shower cubicle. Please remove this by knocking it gently upwards before showering.

Open the built-in roof hatch after showering to allow the resulting water vapour to escape. It is a good idea to use a pressure cooker to prevent the build-up of steam when cooking. You can also switch on the electric roof ventilator if necessary. Always open a window or roof hatch when cooking to replace the oxygen used by the burners. If the temperature outside the vehicle is very high, open the doors and windows to air the interior thoroughly and reduce the temperature inside, and close the roller blinds if possible, especially before leaving the vehicle. The aluminium coating reflects sunlight. Close the sliding door between the living area and driver's cab. If you own an "A" class model, close the front roller blind.



Warning!

Do not attempt to modify or repair the forced ventilation system yourself or you may put your own life or the lives of other passengers at risk due to a lack of oxygen!

Winter operation

A winter holiday imposes more stringent requirements on the chassis and coachwork.

If you are planning a winter holiday, please have suitable winter tyres fitted and buy an appropriate set of snow chains.



Safety information!

The road grip of summer tyres deteriorates considerably at temperatures approaching freezing point!

Adapt your driving to the winter road conditions, drive more carefully than in summer. Always start off with just two 11 kg gas bottles completely filled with propane.

Check the anti-freeze in the windscreen wash/wipe system and radiator, make sure that you have spare fuses, a shovel, jump leads and tow rope, lock de-icer (in your coat pocket), hand brush and ice scraper on board.

Heat the living area before setting off. Do not refill the fresh water tank unless the temperature in the living area is above freezing point.

If necessary, brush snow off the roof and clean lights and windows before setting off.

Where possible, choose a site that is free of snow and ice as the heat given off by the vehicle may otherwise soften the ground and make it difficult to drive away. Avoid using the handbrake if possible; use wheel chocks and put the vehicle in gear to prevent it moving unintentionally.

The vents for the combined heating/boiler system must not be covered or blocked by snow. The same applies to the roof hatches. If the temperature drops below 0 °C, fit the winter covers onto the refrigerator vents and remove them again if the temperature rises above freezing point.

More electricity is used in winter than in summer, so make sure that the batteries are recharged via the external power supply if staying at a site for a longer period. The cable should not be laid along the ground as it may freeze there.

Ventilation is particularly important during the winter months. Wherever possible, keep moisture out of the living area and if the humidity increases (it is advisable to fit a humidity indicator), open windows and roof hatches to let it escape. A special winter awning is very useful, offering space to accommodate wet clothing, boots, skis, etc., keeping the moisture from these articles out of the living area. If you do not have a winter awning, we recommend that you put these items in the shower cubicle to dry.

Do not turn the heating system down too low when leaving the motorcaravan to ensure that the tank and water pipes are kept warm enough.

Close the roller blinds at night but open them during the day; the heat produced by the sun can help to reduce gas consumption.

Remove snow and ice from skis and sticks before stowing them away.

De-icing salt deposits can cause corrosion damage to the chassis, underbody and coachwork. Always clean the motorcaravan and remove all traces of salt after every winter holiday.

Permitted minimum operating temperature for the vehicle: down to minus 30 °C.

Coachwork care and maintenance

Regular care and maintenance play an important role with respect to the reliable running of your **Concorde** and are essential in helping to maintain its value. We recommend that you have the maintenance work described in the service document provided with your motorcaravan carried out by your dealer once a year.

The following sections contain instructions for care and maintenance work that you can perform yourself.

Cleaning the exterior

By cleaning the exterior of your motorcaravan, you not only ensure that it continues to look good, you are also ensuring that it maintains its value. There are many environmental influences which can detrimentally affect the paintwork. Tar, insects, bird droppings, resin from trees, pollen and industrial pollutants are all substances which are particularly aggressive to the paintwork. De-icing salt may attack the aluminium alloys used in the coachwork in the winter. The paintwork therefore requires a regular care routine at least once a month. The vehicle must be cleaned as quickly as possible if it is particularly dirty or in exceptional situations.

Note:

Please comply with the following cleaning instructions:

- Cover the vents for the combined heating/boiler system and the refrigerator.
- Use special cleaning agents, which are available from specialist dealers, to remove stubborn marks or deposits, such as tar, insects etc.
- Using a hose, rinse the vehicle from top to bottom with lots of warm water, starting with the roof.
- Then clean the surface of the paintwork with a sponge and a gentle car shampoo or soap solution.
- Rinse off with lots of clean water.
- Use a soft cloth or chamois leather to wipe the surface dry.

Use water or a high-pressure cleaner to wash the underbody, the chassis frame and the axles, then examine for signs of damage. Any damage should be rectified by your dealer without delay. If you use a high-pressure cleaner, use a moderate jet and keep the temperature below 30 °C. Do not direct the jet onto the windows, doors, outside flaps, ventilation grids or decorative stickers.

Exercise particular care when cleaning the windows and only use a mild soap solution or a little detergent, a very soft sponge and lots of water. Never use methylated spirit, thinners, silicon remover or other aggressive media! The same applies to the rubber seals surrounding the windows and doors. Any scratches may be polished out gently using a special polish for acrylic glass windows.

Apply a good quality automotive wax all over the paintwork, as well as the GRP rear panel and valence panels in spring and autumn. The preservative wax provides a protective film for the paintwork and inhibits the adhesion of dirt particles.

Polish should only be used under exceptional circumstances as it removes the uppermost layer of paint.

Never rub the vehicle dry!

Please bear in mind:

Washing a vehicle may have an impact on the environment. You should therefore only wash your motorcaravan at places where it is expressly permitted.

Interior cleaning and care

Furnishings

Wipe over the surface with a damp chamois leather and rub dry with a clean, soft cloth.

Upholstery

Keep moisture and sand away from the upholstery. Use a vacuum cleaner. Clean stubborn marks and stains with a special fine detergent or warm water with a dash of vinegar.

Stainless steel sink/cooker

Use standard stainless steel care products to care for the sink and cooker. The pan supports can be removed to facilitate cleaning. Make sure that they are fitted again properly. Use a brush to clean the burners.

Resopal/Corisan surfaces (kitchen and tables)

Clean Resopal surfaces with a soft, damp cloth, using a warm soap solution, if necessary, or a standard detergent that does not contain any scouring or very alkaline components. Particularly stubborn marks can be removed with an organic solvent (e.g. methylated spirit).

Roof carpet

Use a carpet cleaner to remove marks.

Walls in the shower and living area

Wipe the walls in the shower and living area with a damp cloth and mild soap solution. Make sure that no water gets under the built-in furnishings. Only use soft cloths.

PVC floor covering

Wipe over the PVC floor covering with a normal household floor cleaner. Make sure that no water runs underneath the built-in furnishings.

Bathroom/shower cubicle

Wipe the bathroom and shower cubicle with a wet cloth soaked in soap solution. Rub dry with a soft cloth. We recommend the use of a watery solution of a standard household detergent, such as "Pril", "Dor" or "Meister Proper". You can also use household spirit to remove more stubborn marks. Never use cleaning agents which contain scouring components.

The following household chemicals must not come into contact with plastic or Corisan surfaces: stain remover, tincture of iodine, cockpit spray, acetone, nail varnish and nail varnish remover.

Toilet

Clean the large ring seal and the vent seal and lubricate with silicon spray (salad oil is also suitable). Clean the tank by flushing thoroughly with water. Clean the bowl, the seat, lid and outside surface of the toilet with a damp cloth. Do not use any aggressive household detergents or products containing chlorine. These attack the valve rings.

Roller blinds on the windows

Clean roller blinds with water and a mild soap solution, wipe the guides with a damp cloth.

Refrigerator

Lubricate the rubber seal around the refrigerator door with a rubber care product or silicon spray. Wipe the inside surfaces with a damp cloth. Open the doors if the refrigerator is not in use.

Seat belts

Clean with luke-warm water and soap. Do not use any chemical cleaning agents. Do not expose seat belts to extreme heat or modify the belts in any way.

Emptying and cleaning the water system

The water system should be cleaned out at least once a year, but earlier if the water has an unpleasant taste. Pour fresh water into the tank through the water filler neck with the prescribed concentration of sterilising agent. Suitable sterilising agents include "Certisil" or a denture cleaning product; any other products are unsuitable, particularly those containing chlorine. Leave the mixture to work for a few hours. Move the vehicle, if necessary, to ensure that the cleaning mixture comes into contact with all walls of the tank.

Switch the water pump on and flush the water pipes, drain the mixture into the used water tank and leave it there to work, again moving the vehicle to make sure that the mixture reaches all surfaces.

Decalcification

To decalcify the boiler, fill approx. 20 l of water into the fresh water tank with a bottle of wine vinegar or lemon juice. Follow the procedure described for using the water system for the first time. Allow the mixture to work for a few hours. Then proceed in the manner described in the first seven points of "Decommissioning". After that, follow the procedure described when using the water system for the first time again, drawing water out of the taps for a few minutes to flush the boiler with fresh water.

Remember to remove the Perlator smooth-flow diffusers from the taps to allow any loosened deposits to escape. It goes without saying that you can also have this work performed by your **Concorde** dealer.

Coachwork care - maintenance schedule

The following checks and maintenance work must be performed at least every 12 months:

- Locks -Lubricate with graphite spray.
- Rubber seals on doors, hatches, flaps and windows - Apply talcum powder or silicon spray.
- ELCB circuit-breaker - Check functioning capability. Press the test button with the external connector plugged in. The circuit-breaker must respond.
- Fresh water filter (on the pump) - Clean. Before unscrewing the filter, empty the water system (points 1 to 8 "Decommissioning"). Unscrew the filter, remove the sieve and rinse thoroughly. Replace the cover carefully. Check for leaks by switching the water pump on.
- Removing the battery, if necessary:
- Switch off all items of electrical equipment by pressing the "Off" button (No. 1) on the control panel. Make sure that the external connector is not plugged in and that the engine is switched off. First disconnect the cable from the negative terminal, then the cable from the positive terminal. Proceed in reverse order when replacing the battery.
- Caution: Risk of a short circuit if it makes contact with the underside of the upper false floor.

Decommissioning - Preparing for cold weather

The following measures must be implemented if the motorcaravan is not to be used for a longer period (more than 1 month) and the temperature is likely to drop below freezing point:

Motorhome

- Turn the switch for the water pump off at the control panel.
- Open the taps in the "hot" position.
- Turn the red lever next to the hot-water heating system in line with the pipe. The water in the boiler will then be drained outwards directly.
- Check that the flow of water is not obstructed by dirt, slush etc. and that the boiler is drained completely (8.0 l).
- Open the hot and cold water drain valves (Page 18)
- Press the flush button on the toilet and keep it pressed until the water is drained completely.
- Open the stop cocks for the fresh water and used water tanks (turn the lever to "O", in line with the pipe).
- After draining the tanks, switch the water pump on again briefly to remove any remaining water from the system.
- Clean the tanks and water pipes - refer to the section on care and maintenance.
- Empty and clean the toilet tank; remove the cap from the filler neck, open the slide gate.
- Unscrew the caps from the siphons under the sink, wash basin and shower tray, clean and replace the caps.
- Close the gas cut-off valves, close the main on-off valves on the gas bottles and unscrew the pressure regulators.
- Switch the 12 V power system off with the master switch on the control panel.
- Place the winter cover over the refrigerator fan.
- Remove all foodstuffs from the kitchen and living area.
- Clean the furniture; open cupboard doors and hatches.
- Clean the refrigerator; open the door and the freezer compartment (comply with the separate instructions).
- Place the cushions upright or remove and store in a dry place.
- Examine the underbody and coachwork for signs of damage and repair if necessary.
- Lubricate the locks on doors and outside flaps with graphite spray.
- Put one or two bowls of salt in the living area to absorb any moisture.
- Air thoroughly every month and replace the salt.
- Either plug in the external power connector every month (for at least 12 hours) to recharge the batteries, or disconnect the battery terminals.
- Repair any damage before decommissioning.
- Clean the coachwork thoroughly as described in the section on "Cleaning the exterior" and apply preservative automotive wax to the paintwork.
- Where possible, park the vehicle undercover, in a dry, well-ventilated place.

Base vehicle

Clean and dry the body, underbody and wheel arches thoroughly. Apply preservative automotive wax to the driver's cab paintwork.

- Before decommissioning, drive the vehicle until the engine is warm and do not start the engine again prior to recommissioning; apply the brakes repeatedly until dry before decommissioning.
- Make a note of when the next M.O.T. is due and bring the date forward if necessary.
- Fill up with fuel.
- When the engine has warmed up, check the coolant level and concentration, topping up if necessary.
- Check the acid level in the battery and top up with distilled water if necessary
- Change the oil and oil filter while the engine is at operating temperature and do not start the engine again afterwards.
- Check the anti-freeze in the cooling water and windscreen wash/wipe system.
- Rub talcum powder or glycerine into the rubber profiles.
- Lubricate the locks with graphite spray.
- Increase the tyre pressure by 1 bar; if possible, raise the vehicle to relieve the load on the tyres.
- Empty the wash/wipe system tank and pipes

Recommissioning

Motorhome

- Put the electrical system, the gas system, the water system and toilet into service as described in the relevant sections.
- Check that all items of equipment are working properly.

Base vehicle

- Adjust the tyre pressure to the correct value, check the condition of the tyres - don't forget the spare tyre!
- Check the acid level and charging state of the battery. The acid level is visible through the battery housing - if the level is too low, top up with distilled water. Check the charging state with a battery tester or by pressing button 3 on the control panel in the living area.
- Check the level of the brake fluid.
- Check the lights and brake lights.
- Bring the next due inspection forward if necessary.

Troubleshooting

Water supply does not work properly

Pump is not running - possible causes

- The master switch for the electrical system is turned off at the control panel.
- The main switch for the pump is not turned on.
- Euro-fuse (No. 02) defective
- Loose connection or broken cable.
- The pump was not drained properly and has frozen
- **Remedy:** Heat the vehicle; warm the pump directly with an electric heater if necessary.

Pump runs all the time in spite of no water being drawn - possible causes

- The fresh water tank is empty.
- The filter in the pump intake line is blocked.
- There is a leak in the water system.
- The pressure switch for the pump is defective.

Used water does not drain away - possible causes

- The siphon under one of the drains is blocked.
- **Remedy:** Unscrew the drain plug under the siphon and remove the blockage.

Accessibility:

Sink: above the door in the kitchen

Shower: unscrew the panel in the bathroom wall or in the underside of the upper floor

- The used water tank is full.
- The used water tank vent is blocked.

No water comes out of the tap, even though the pump is running - possible causes

- The water tank is empty.
- The filter is blocked (situated in front of the pump).
- A pipe or hose is pinched.
- The water tank vent is blocked.

Gas hob burner goes out when turned down

- Check whether the safety pilot sensors are in the right positions. The tip of the sensor should project beyond the burner by 5 mm. The neck of the sensor should not be more than 3 mm away from the burner ring.
- The jet may be dirty.

Combined heater/boiler does not work

- If the red fault indicator lights up after switching on, wait for a minute and repeat the start-up procedure. If the fault indicator lights up again, please check the following points:
 - Is the heating switch turned on at the control panel?
 - Has the gas bottle been filled?
 - Is the gas cut-off valve on the gas bottle open?
 - Is the gas cut-off valve on the distributor block open?
 - Please consult the separate instructions for systems equipped with remote gas switches.
 - Euro-fuse (No. 07) defective.

Lighting in the living area does not work

- The master switch is not turned on at the control panel.
- The fuse for one of the lighting circuits has blown, locate the fault and replace the fuse. The fuse for the electronic control system (No. 1) has blown (not indicated on the control panel).
- One of the main fuses for the supply battery is defective.
- The main fuse in the engine compartment is defective.
- The battery voltage is too low - check the indicator on the control panel.

No power available at the 230 V socket-outlet

- The vehicle is not hooked up to the external power supply
- The automatic ELCB has triggered.

Automatic charging system does not work

- The vehicle is not hooked up to the external power supply.
- The automatic ELCB has triggered or is switched off.
- The charger is switched off ("Off" switch position).

Gas appliances do not work

- The gas bottles are empty.
- The main on-off valve on the gas bottle is closed.
- The gas cut-off valve is closed.
- The remote gas switch is closed, if fitted (refer to separate instructions).
- After connecting up a new gas bottle, it takes a few minutes before the air is forced out of the gas lines. If necessary, repeat the procedure for igniting the gas appliance several times.
- Ice has formed in the gas pressure regulator when the outside temperature has dropped below freezing point. Press the gas pressure regulator heater button (No. 12) on the control panel.

When filling with water, water appears under the vehicle

- Close all drain valves as described in the section on using the water system for the first time.

Running noises from the water pump although no water is being drawn**Is there water in the vehicle?**

- There is a leak in the water system.
- Turn the water pump off immediately.
- Locate the leak or go to the nearest service station.

Refrigerator does not work

In gas mode

- The cut-off valve for the gas line or on the bottle is closed; gas bottle is empty.
- Engine running immediately beforehand; 15 min. disable period.
- Gas cut-off valve closed.
- Dirt in the burner.
- Spark plug or spark plug socket defective
- A cooling effect is not noticeable until more than an hour has passed.

In 12 V mode

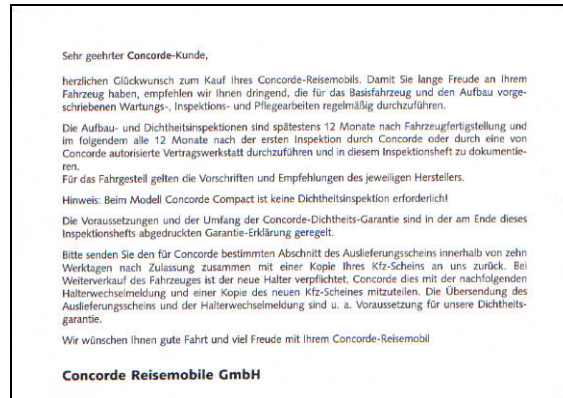
- Euro-fuse (No. 18) defective.
- After starting the engine, power is not supplied to the refrigerator for around 10 seconds.

In 230 V mode

- External connector is not plugged in.

Warranty and Maintenance Booklet

Introduction



Dear Concorde Customer,

Congratulations on your new Concorde! To ensure that you enjoy the comforts of your Concorde a long time, we recommend that you have the stipulated maintenance, inspection and care works regularly carried out on the motorhome and the chassis.

The inspection for the motorhome and the leak test should be carried out at the latest 12 months after completion and later every 12 months after the first inspection by Concorde or one of our authorised workshop or garage. Please let record them in the inspection booklet. Concerning the chassis, please respect the recommendations of each manufacturer.

Notice: For a Concorde Compact, a leak test is not necessary!

The conditions and extent of the leak warranty are included in the warranty statement at the end of this inspection book.

Please send the delivery counterfoil for Concorde with a copy of the registration documents at latest 10 days after first registration back to Concorde. In case of owner change, the new owner will have to inform Concorde and send the counterfoil with a copy of the new registration documents. That's a necessary procedure for us to give our leak warranty.

We wish you a good time travelling in your Concorde

Concorde Reisemobile GmbH

Certificate of Delivery (Auslieferungsschein)

The first page of the service booklet is the certificate of delivery. This will be completed by the supplying dealer and must be distributed as follows:

- Abschnitt für Kunden - Counterfoil for Customer
- Abschnitt für Handler - Counterfoil for Dealer
- Abschnitt für Concorde - Counterfoil for Concorde

Change Of Ownership (Fahrzeughalter)

4. Fahrzeughalter Meldung bei Halterwechsel	3. Fahrzeughalter Meldung bei Halterwechsel
Bei Weiterverkauf bitte diesen Abschnitt an: Concorde Reisemobile GmbH Concorde-Straße 2-4 96132 Schlüsselfeld-Aschbach	Bei Weiterverkauf bitte diesen Abschnitt an: Concorde Reisemobile GmbH Concorde-Straße 2-4 96132 Schlüsselfeld-Aschbach
Das Reisemobil	Das Reisemobil
Typ:	Typ:
Aufbau-Nr.:	Aufbau-Nr.:
Ident-Nr.:	Ident-Nr.:
wurde am:	wurde am:
an den neuen Halter	an den neuen Halter
Name:	Name:
Str.:	Str.:
Ort:	Ort:
Tel.:	Tel.:
weiterverkauft	weiterverkauft
Kennzeichen neu:	Kennzeichen neu:
4. (Unterschrift & Datum Halter)	3. (Unterschrift & Datum Halter)

The second page of the service booklet is the Change of Ownership notification, it includes slips for second, third and fourth owners. It is a condition of the vehicle warranty that Concorde are notified of any changes in vehicle ownership. The slip must be completed and returned to Concorde at:

**Concorde Reisemobile GmbH
Concorde-Straße 2-4
96132 Schlüsselfeld-Aschbach**

Leak Warranty Statement

(This is a translation of the inside back cover of the service booklet)

1. Concorde Reisemobile GmbH (Concorde), Concorde-Str. 2-4, 96132 Aschbach, as the manufacturer, grant a warranty to Concorde owners for leaks in relation with water ingress caused through rain for the period defined in clause 2 if the vehicle has been used normally. The Leak Warranty Statement is not a warranty for the quality and durability of the motorhome.
2. The warranty begins from the day of delivery to the customer and ends five years after the date of manufacture. The warranty ends earlier if the customer has driven more than 100.000 km, if an accident caused a total loss or if the motorhome cannot be used anymore for whatever reason.
3. Condition for warranty: the leak test has to be carried out at the latest 12 months after completion (date on the sticker and record in this booklet) and later every 12 months after the first inspection by Concorde or one of our authorised workshop or garage. Above that, Concorde must be informed in writing about the warranty claim as soon as a leak has been detected. For Concorde Compacts, a leak test is not a necessary condition of the warranty.
4. Concorde decide about the way the warranty works may be carried out, repair or replace the damaged parts. In case of replacement, the damaged parts have to be returned on the cheapest way to Concorde, at not cost to the customer.
5. As soon as Concorde have accepted the warranty claims in writing, the rectification or replacement of the damaged part will be carried out by Concorde or one of our authorised workshop or garage at Concorde's cost. Rectification costs will be limited to current value of the vehicle.
6. The customer has to give Concorde the time and opportunity to carry out the repairing works, to order and deliver replacement parts that are necessary for the warranty. The location of the repairing dealer will be at Concorde's discretion.
7. The warranty will not be granted if the leak was caused by normal wear; caused by improper use; or result from repairs to or overloading of the motorhome; caused by alterations that have been carried without the approval of Concorde; caused by fitting of parts, the use/fitting of which was not approved by Concorde. It is not granted either, if the warranty claim was sent too late or if the opportunity to repair was not given to Concorde from the beginning.
8. The assertion of extensive claims, especially in regard of the reimbursement of costs concerning defects or replacement resulting from damages outside of the motorhome, as long as a warranty is prescribed by law, is excluded.
9. If a warranty is granted, the warranty period can not be extended or renewed. The claims of a warranty case may be asserted at the latest 6 months after the customer has detected the damage.
10. This warranty excludes any warranty for subsequent performance on the side of the vendor, any abatement (of the purchase price), cancellation of the contract, compensation or reimbursement of expenses.
11. The warranty is granted by Concorde on condition that the owner of the motorhome sends the counterfoil with certificate of delivery back to Concorde at the latest 10 working days after registration with a copy of the registration certificate (the incoming date at Concorde is the decisive one) and proves, on the basis of the regularly filled inspection book, that all the prescribed leak tests have been carried out on time by Concorde or an authorised garage and that all necessary works for eventually detected defects/leaks have been remedied immediately and professionally. In case of any doubts, the original invoice may prove that the inspection has been carried out. A warranty is not granted if the leak test has not been carried out at all or not on the right time.

Concorde Reisemobile GmbH

Inspections

To ensure that your Concorde motorhome complies with the requirements of the warranty, the following annual inspections must be completed at an approved Concorde service agent. Inspection must be completed in the month in which falls the anniversary the vehicle was first registered.

Inspektion Nr. 1 Abschnitt für Kunden	Inspektion Nr. 1 Abschnitt für Händler	Inspektion Nr. 1 Abschnitt für Concorde
Dichtheitsinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein	Dichtheitsinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein	Dichtheitsinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein
Aufbauinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein	Aufbauinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein	Aufbauinspektion <input type="checkbox"/> ja <input type="checkbox"/> nein
Aufbau-Nr.:	Aufbau-Nr.:	Aufbau-Nr.:
Ident-Nr.:	Ident-Nr.:	Ident-Nr.:
Kilometerstand:	Kilometerstand:	Kilometerstand:
ausgeführt am:	ausgeführt am:	ausgeführt am:
(Unterschrift & Stempel Werkstatt)	(Unterschrift & Stempel Werkstatt)	(Unterschrift & Stempel Werkstatt)
Halter:	Halter:	Halter:
Str.:	Str.:	Str.:
Ort:	Ort:	Ort:
Tit.:	Tit.:	Tit.:
nächste Dichtheits-Inspektion fällig:	nächste Dichtheits-Inspektion fällig:	nächste Dichtheits-Inspektion fällig:

Es können von Concorde nur komplett ausgefüllte Abschnitte akzeptiert werden!

The inspection booklet must be completed and stamped for each inspection. The service booklet contains three counterfoils for each service. These are to be distributed as follows:

- Abschnitt für Kunden - Counterfoil for Customer
- Abschnitt für Händler - Counterfoil for Dealer
- Abschnitt für Concorde - Counterfoil for Concorde

12 Month Annual Damp Test Inspection (Dichtheits Inspektion)

Prüfpunkte – Dichtheits-Inspektion

Überprüfen auf Allgemeinzustand, Dichtheit, Verschleiß:

Außen

- ☐ Oberfläche Wände, Dach
- ☐ Unterboden und Innenflächen der Seitenschürzen
- ☐ Nahtstellen Dach/ Seitenwände/ Zwischenboden/ Unterboden
- ☐ Türen und Außenklappen mit Innenrahmen
- ☐ Eckprofile
- ☐ Dachlüfter
- ☐ Übergang Wand/Stoßstange
- ☐ Unterflurkofferraum

Innen

- ☐ Übergänge
- ☐ Boden/ Wand
- ☐ Dach/ Wand
- ☐ Fahrerhaus/ Aufbau

Einbauelemente:

- ☐ Fenster (Rahmen/ Scheibe, Rahmen/Aufbau)
- ☐ Radkästen

5

Check points for the leak test

Please check the general condition, tightness and wear:
Outside

- Surface of walls and roof
- Under body and inner surface of the valence panels
- Joints on roof/side walls/double floor
- Corner profile
- Roof ventilator
- Junction between wall and bumper
- Storage compartment in double floor

Inside

- Junctions
 - Floor/wall
 - Roof/wall
 - Cabin/motorhome
- Fitted parts:
 - Windows (frames/pane, frame/motorhome)
 - Wheel cases

12 Month Annual Motorhome Structural Inspection (Aufbau-Inspektion)

Prüfpunkte – Aufbau-Inspektion
<ul style="list-style-type: none"> ○ Aufbaubefestigungsschrauben auf einwandfreien Sitz prüfen ○ Außenlackierung und Unterbodenschutz auf Beschädigungen prüfen ○ Eingangstüre prüfen, Scharniere und Schlösser prüfen ggf. schmieren ○ Außenklappen prüfen, Scharniere und Schlösser prüfen ggf. schmieren ○ Funktion der Heizung und Boiler prüfen ○ Warmwasserheizung: Füllstand im Ausgleichsgefäß und Frostschutz prüfen ○ Warmwasserheizung entlüften ○ Abgasführung Heizung auf vorschriftsmäßige Ausführung und festen Sitz prüfen ○ Kühlschranksfunktionen prüfen, ggf. Brenner reinigen ○ Kühlschrankabschaltung 12 Volt bei stehendem Motor prüfen ○ Funktion Gasherd überprüfen, Verbrennungsluftzuführungen kontrollieren ○ Wasserpumpe Frischwassersystem auf Funktion prüfen ○ Wasserfilter für Frischwassersystem prüfen und reinigen ○ Frisch- und Abwasserleitungen auf Dichtheit und Durchfluß prüfen, Anschlüsse auf Dichtheit prüfen ○ Wasserhähne auf Dichtheit und Funktion prüfen ○ Toilette auf Dichtheit und Funktion prüfen ○ Ladezustand der Aufbauakku-Batterie(en) prüfen ○ Check-Control-Panel prüfen, FI-Schalter auf Funktion prüfen ○ Ladeautomatik prüfen, Ladefunktion im Parallelbetrieb prüfen ○ Lichtanlage innen und außen auf Funktion prüfen ○ Möbelwäler und -klappen prüfen, Schlösser und Scharniere ggf. schmieren ○ Fensteraufsteller, -verriegelungen und Rollos auf Funktion prüfen, ggf. schmieren ○ Dachluken und Dachlüfter prüfen, ggf. Mechanik schmieren ○ Funktion elektrische Einstiegstufe prüfen, ggf. Lager schmieren

Check points for Motorhome Inspection

- Check the fastening screws of the motorhome
- Check if the outside lacquering and the under body protection are not damaged
- Check the door of the motorhome, grease hinges and locks if necessary
- Check the outside flaps, grease hinges and locks if necessary
- Check the functioning of the combined heating/hot-water boiler system
- Heating/hot-water boiler system: check the level in the equalizing vessel and of the antifreeze
- Bleed the heating system
- Check if the exhaust conduction for the heating system is conforming and fixed
- Check the functioning of the refrigerator, if necessary clean the burner
- Check the refrigerator system switches over from 12V mode to gas mode when the engine is switched off
- Check the functioning of the gas oven and control its aeration
- Check the functioning of water pump for fresh water
- Check the water filter for fresh water system and clean it
- Make a leak test on the fresh water and used water pipes, check the flow, check the water supply points
- Make a leak and function test off the cocks
- Make a leak and function test of the toilette
- Check the charge level of the leisure battery/ies
- Check the function of the control panel and protective circuit-breaker
- Check the automatic charger and its function when batteries are connected in parallel
- Check the function of the light system outside and inside
- Check doors and flaps of the furniture, grease hinges and locks if necessary
- Check the functioning of the fittings and locks of the windows and roller-blinds, grease if necessary
- Check the roof windows (Hekis) and roof ventilators, grease the mechanics if necessary
- Check the functioning of the electrical step, grease the bearing if necessary

24/48 Month Inspections

Zusatzarbeiten alle 24/48 Monate	Zusatzarbeiten alle 24/48 Monate	Zusatzarbeiten alle 24/48 Monate
alle 24 Monate Gasprüfung durchgeführt <input type="checkbox"/> ja <input type="checkbox"/> nein	alle 24 Monate Gasprüfung durchgeführt <input type="checkbox"/> ja <input type="checkbox"/> nein	alle 24 Monate Gasprüfung durchgeführt <input type="checkbox"/> ja <input type="checkbox"/> nein
alle 48 Monate Frostschutzmittel der Warm- wasserheizung erneuert <input type="checkbox"/> ja <input type="checkbox"/> nein	alle 48 Monate Frostschutzmittel der Warm- wasserheizung erneuert <input type="checkbox"/> ja <input type="checkbox"/> nein	alle 48 Monate Frostschutzmittel der Warm- wasserheizung erneuert <input type="checkbox"/> ja <input type="checkbox"/> nein
Aufbau-Nr.:	Aufbau-Nr.:	Aufbau-Nr.:
Ident-Nr.:	Ident-Nr.:	Ident-Nr.:
Kilometerstand:	Kilometerstand:	Kilometerstand:
ausgeführt am:	ausgeführt am:	ausgeführt am:
(Unterschrift & Stempel Werkstatt)	(Unterschrift & Stempel Werkstatt)	(Unterschrift & Stempel Werkstatt)
<p>Achtung! Abschnitt verbleibt im Insp.-Heft!</p> <p>Hinweis: Die Zusatzarbeiten sind optional zur Aufbau-Inspektion durchzuführen und werden nach Aufwand separat in Rechnung gestellt.</p>	<p>Achtung! Abschnitt verbleibt im Insp.-Heft!</p> <p>Hinweis: Die Zusatzarbeiten sind optional zur Aufbau-Inspektion durchzuführen und werden nach Aufwand separat in Rechnung gestellt.</p>	<p>Achtung! Abschnitt verbleibt im Insp.-Heft!</p> <p>Hinweis: Die Zusatzarbeiten sind optional zur Aufbau-Inspektion durchzuführen und werden nach Aufwand separat in Rechnung gestellt.</p>

24 Month Gas Test Inspection

In addition to the normal annual inspection, every 24 months your Concorde motorhome requires a gas system test.

48 Month Heating Inspection

In addition to the normal annual inspection, every 48 months your Concorde motorhome requires the heating system to be tested and the anti-freeze to be replaced.